Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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Steel Drum Reuse Curb Plan Dropped

The Interstate Commerce Commission has withdrawn from Docket 3666 the proposed amendment prohibiting the reuse of ICC 17-E drums for the shipment of liquids defined as inflammable in the regulations. The decision automatically cancels an August 31 deadline date for the amendment and authorizes reuse of single trip containers indefinitely.

The fight against the amendment was spearheaded by the National Paint, Varnish and Lacquer Association and the National Barrel Association. Industry's contention was that the unwarranted use of steel sheets for a non-essential purpose, in view of current conditions, was not justified.

The new move on the part of ICC is attributed to the channeling of steel supplies for military needs and the diminishing volume slated for container use.

Application for permission to reuse ICC 17-E drums should be made to H. A. Campbell, chief inspector of the Bureau of Explosives, 30 Vesey street, stating reasons for the request.

German Aluminum Plant To Be Sold by United States

The Department of State is offering for sale an aluminum plant now being dismantled in Bavaria, Germany, and expected to be ready for shipment by early October. The buyer must pay cash in dollars for the plant and be prepared to take delivery at some as-yet-undisclosed place on the border of Germany.

The department states that the plant is in "good condition." The equipment was part of the Verinigte Aluminum-Werke A.G., located at Toeging on the Inn river. It was awarded to the United States as German reparations by the Inter-Allied Reparations Agency.

The plant will be sold by competitive sealed bids to be opened at 10 a.m. September 26 in Washington. Information and forms for bidding are available from the lend-lease and surplus property staff, Department of State, Annex No. 7, Twenty-first and C streets, N.W., Washington, D. C.

Myrcene from Betapinene Process Told by USDA

A process for producing the chemical intermediate, myrcene from betapinene, a component of gum turpentine, has been developed at th Department of Agriculture's Southern Regional Research Laboratory at New Orleans.

The process, which yields increased quantities and better quality of myrcene, is described in U. S. Patent No. 2,507,546, copies of which will be supplied at 25 cents each by the Commissioner of Patents, Washington 25, D. C. Licenses to use the patent on a royalty-free, nonexclusive basis may be obtained by applying to USDA's bureau of agricultural and industrial chemistry, Washington 25.

Myrcene can be substituted for butadiene or isoprene in the manufacture of chemical rubber, reacted with maleic anhydrides or other dibasic acids to form resins, or it can be hydrated to produce polyhydric alcohols suitable for use in perfume bases.

India and Western Germany Extend Trade Pact a Year

A new trade agreement, replacing one that expired on June 30, has been signed by India and Western Germany. Under the agreement, which runs until June 30, 1951, India will export $26,425,000 worth of material, including chemicals, manganese ore, mica, hides and skins, peanuts and peanut oil. Exports from Germany will include chemicals and related products, non-ferrous metals and other materials, with a total value of $26,420,000.

Chemical Import Controls Removal Asked in India

The Indian Chemical Manufacturers' Association has requested the Government of India to lift controls on the importation of materials needed by the industry. It was pointed out that these materials are not resold but are imported by producers who are end-users.

Price Trend Continues to Climb

Price movements continued mainly upward in the markets for chemicals and related materials last week. Some of the advances were attributable to recent conditions; others—and they were numerous in some divisions—were catchings up with increased costs, which had been deferred for various reasons.

The upward movements brought higher averages in five of the ten major market groups and a recession in one—fats and oils. The bigger movements were in essential oils, egg products, pharmaceutical chemicals, coaltar intermediates, and botanical drugs. Aside from advances in tin and its salts, the general chemical groups were quiet.

The overall index number of prices got another boost of 1.6 points, putting it at a figure higher than any reached since October 14, 1949. In comparison with that date, the indexes for general chemicals, coaltar chemicals, fats and oils, drugs, botanicals, essential oils, and fertilizer materials are now higher; those for dyestuffs and tanstuffs and paint and varnish materials are lower. There have been advances in seven of the major market groups during the current quarter. These range from 1.5 points (0.8 percent) on botanicals to 26.4 points (22.5 percent) for fats and oils. The general chemical and fertilizer indexes are unchanged. In view of the opportunity presented by the strikes in the alkali area for doing a popular application of the law of supply and demand, that price stability is something to be commended. Profiteering is not a universal practice.

The expected advances in coaltar chemicals encompassed phenol and xylenols and almost twenty intermediates, mostly in the naphthol and toluol groups. Two complex benzoic acids were reduced; but salicylic acid was advanced, carrying up acetylsalicylic and six other salicylates. In the organic groups there were advances also in several alkyl compounds and in aldrin and dieldrin and reductions in nitroparaffins and triethylenetetramine. An advance in bromine was a feature among inorganics, it affected theobromine and seven bromides.

Castor, coconut, codliver, corn, and alive oils were higher. Animal fats were quiet. Casein was advanced; milk sugar was reduced, as were, also, hoof and bone meals. Egg yolk got another big boost. Waxes were advanced. Changes in botanical drugs were 14 to 1 for the upside; in spices, 17 to 2 ditto. There were advances in nineteen essential oils; reductions in five, including peppermint. Menthol was back on the upside.

Buying lost some of its scaredness during the week. In part this was attributable to a growing feeling that price-controls were in the offing and it might pay to await events. Some were puzzled between expectations of price-controls and allocations. But there was no marked rush to get while things were gettable. Allocations are already in effect at the instigations of producers who easily could sell more and rather easily could charge more.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Aug. 4, 1950	July 28, 1950	Dec. 30, 1949	Aug. 5, 1949
126.7	**125.1**	**124.8**	**128.2**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	117.2
June	120.7	128.7	143.9	135.4	121.9
July	122.8	128.1	142.5	137.7	123.5

Vinol Quits Electrochemistry Section of Standards Bureau

Dr. George W. Vinol, chief of the electrochemistry of the National Bureau of Standards, has retired after more than forty-two years' service with the government. He is internationally known for his research in the field of electrochemistry, particularly for his work in the development and perfection of the silver voltameter and the standard cell, which serve as standards for the international ampere and volt. Dr. Vinal has also done extensive research on dry cells and storage batteries.

Best known for his classical book Storage Batteries, Dr. Vinal has contributed extensively to scientific journals in the field of electrochemistry and batteries. In recognition of his work, France awarded him the Gaston Plante Medal of the Societe de Francaise des Electriciens in 1938. He was the first scientist to be so honored. In 1936, he received the honorary degree of Doctor of Science from Wesleyan University. He was also an exchange physicist to the Physikalisch Technische Reichsanstalt in 1931, and received a certificate of commendation from the navy bureau of ships in 1947 and a certificate from the Office of Scientific Research and Development in 1946.

Dr. Vinal joined the staff of the National Bureau of Standards in 1908 as a physicist and became chief of the electrochemistry section in 1918.

Gas Purification Research Described by Mines Bureau

Progress made in the search for effective, low-cost ways of removing sulphur impurities from synthesis gas is described in a Bureau of Mines publication which deals with a part of the synthesis gas purification research program being carried out at the bureau's Morgantown, W. Va., station in cooperation with West Virginia University.

A free copy of report investigations 4699, "Organic Sulphur in Synthesis Gas: Occurrence, Determination, and Removal," may be obtained by writing to the Bureau of Mines, Publications Distribution Section, 4800 Forbes street, Pittsburgh 13, Pa.

U. S. Aids French Firm In Lead and Zinc Mining

Marshall plan counterpart funds will aid the development of French zinc and lead production facilities to help meet France's requirements for these scarce materials and also contribute to United States stockpiles.

The Economic Cooperation Administration announced July 31 that 1,400,000,000 counterpart fund francs, about $4,000,000, will be advanced for the development project under a contract signed between ECA and Societe des Mines de Zellidja with the approval of the French government.

The francs will be used to modernize and expand a zinc and lead producing mine owned by the French company at Bou-Beker, in eastern French Morocco, near Oujda.

The advances will be repaid by Zellidja over a period of seven years in the form of supplies of zinc, and possibly lead, for the United States stockpile. The francs are coming from the 5 percent portion of the French counterpart fund available for the acquisition of materials in which United States resources are deficient.

Additional ECA Agreement

In addition to the counterpart fund francs, ECA, under a previous agreement, is also advancing $3,600,000 to the company through the Newmond Mining Corporation, New York, an affiliate of Zellidja. The French Moroccan company also proposes to spend about 3,000,000,000 francs, about $8,570,000, of its own funds on the program, making a total investment of the equivalent of about $16,170,000.

It is estimated that the Zellidja mine's annual production, after the development program is completed, will reach 85,000 and 120,000 tons of lead and zinc concentrates respectively.

U.S. Alcohol Plant Sold

The General Services Administration last week reported it had sold its surplus alcohol plant at Omaha, Neb., to the Central-States Corporation, Chicago, for $1,750,000. The plant is capable of producing 22,000,000 gallons of alcohol annually.

The plant, formerly operated by the Farm Crops Processing Company, originally cost the government $6,278,000.

CCC Lists Products Available for Aug. Sale

The Commodity Credit Corporation announced July 31 the approximate quantities and prices of various commodity holdings available to buyers in August. Included are nonfat dry milk solids, raw linseed oil, flaxseed, gum rosin and potato starch. Crude and refined cottonseed oil will be sold, as available during the month, on a competitive bid basis.

One hundred and ninety million pounds of spray process nonfat dry milk solids will be sold at 13 cents per pound and 110,000,000 pounds of roller process at 11 cents per pound, both f.o.b. location of stock in any state, carload lots only. Export prices are ½ cent per pound lower.

Linseed oil, in the amount of 500,000,000 pounds, will be sold f.o.b. tankcars at storage locations, as follows:—16.75 cents per pound, Minneapolis and Chicago; 17.05 cents per pound, Buffalo, San Francisco, Los Angeles and Cleveland; 17.35 cents per pound, New York, Philadelphia, Baltimore and Portland, Ore., and 17.45 cents per pound, Good Hope, La., and Houston and Kenedy, Tex. Export price is 14 cents per pound, f.o.b. tankcars at storage locations.

Bulk Flaxseed Available

Bulk flaxseed to be sold amounts to 12,500,000 bushels, basis in store, the market price on date of sale at place of delivery but not less than $4 per net bushel for No. 1, bulk, basis in store Minneapolis. For other markets and other grades, adjust by market differentials. Export price is $3.555 per net bushel.

Available are 240,000 drums of gum rosin, each drum averaging 517 pounds net, at $6.25 per 100 pounds grades N through G; $6.35 grade WG, and $6.50 grades X and WW, "as is," on storage yards at locations in Georgia, Florida and Alabama. Export prices are identical.

Potato starch in carload lots only will be sold at $4.50 per 100 pounds, basis f.o.b. Maine shipping points. This includes 600,000 pounds of pearl type, packed in 200 pound burlap bags with paper innerliners, and 7,850,000 pounds of powdered type, packed in 100 and 200 pounds burlap bags with paper innerliner. Export price is $5.10 per 100 pounds, f.o.b. vessel, Boston, Mass.

Tall Oil Rosin Standard Becomes Effective Nov. 1

The Production and Marketing Administration, Department of Agriculture, announced August 2 that the Secretary of Agriculture on July 26 promulgated a standard of identity or designation for a new kind of rosin, pursuant to the naval stores act of 1923 and the regulations thereunder. The designated standard is "tall oil rosin," which describes rosin produced by distilling off the fatty acids from tall oil, leaving the rosin acids in relatively pure form, comparable to the rosin acid content of gum and wood rosins.

The order establishing and promulgating the standard for tall oil rosin was published in the *Federal Register* of July 29. The standard is defined as follows:—

"Tall oil rosin means rosin remaining after the removal of the fatty acids from tall oil by fractional distillation. Such rosin shall have the characteristic form and appearance and other physical and chemical properties normal for other kinds of rosin."

At a hearing held May 9, interested persons testified on the subject of a new standard for rosin made from tall oil. The standard now promulgated represents the decision reached by the department after consideration of the evidence presented at the hearing.

Under the naval stores act, the new standard for tall oil rosin becomes effective three months following its promulgation. Accordingly, the order sets November 1 as the effective date.

Phenyl Naphthylamine Put on 'Positive List'

Phenyl naphthylamine and tetrabromo ethane have been added to the list of items requiring validated licenses for export to all destinations outside the Western Hemisphere, the Office of Industry and Commerce of the Department of Commerce reported August 3. The action also clarified the commodity description of polyisobutylene, vistane type only.

Du Pont to Construct Hydrogen Bomb Plants

E. I. du Pont de Nemours & Co., Wilmington, has been chosen by the Atomic Energy Commission to build and operate the projected new plants for developing and producing the hydrogen bomb. The company has already started preliminary work to test the feasibility of designs and do the basic paper work.

The company stated it would accept the contract on condition that the government pay all costs, that du Pont receive a fee of $1 for its work, and that all patents growing out of the program become the property of the government.

The AEC announcement said that "the additional plants, like existing facilities, will provide materials which can be used either for weapons or for fuels potentially useful for power purposes. The plants will be of advanced design and the operation will provide new knowledge that will speed the progress of the atomic energy program."

The project is expected to contain reactors capable of turning out atomic materials as well as those which are expected to produce the hydrogen bomb. Basic plans call for the use of lithium, which is transmited into tritium as heavy as hydrogen.

200,000-Acre Tract Needed

Besides the problem of finding a 200,000-acre tract which will probably be required for the project, AEC said that factors of major importance are that the operating requirements of the proposed facilities must be considered. Military problems of vulnerability to attack as well as public health and safety conditions are involved.

During the last war, du Pont undertook AEC's largest single construction and operating project when it built and ran the plutonium plant at Hanford, Wash. It withdrew from that project after the war because it felt its field was chemistry, not physics.

Ethylene Glycol Facilities Opened by Carbide in Ind.

The completion and initial operation of facilities for the production of ethylene oxide at Whiting, Ind., was announced last week by Carbide & Carbon Chemicals Division of Union Carbide & Carbon Corporation. These units are part of the corporation's planned large-scale increase in the production of ethylene glycol. Addition facilities at Whiting, now under construction, are expected to be placed in operation late in the year.

At its Institute, W. Va., plant, Carbide is already producing ethylene glycol from new units which went into operation earlier this year. Further expansion of the production capacity at this plant is also under construction which will be completed and placed in operation during the last quarter of 1950.

Present annual rate of production for ethylene glycol in the United States is 210,000 tons. With the rapid construction of new facilities by Carbide and other producers, it is expected that this figure will exceed 320,000 tons by early 1951.

CSC Reduces Quotations On Nitroparaffin Chemicals

Price reductions ranging from 10 to 25 percent have been made by Commercial Solvents Corporation on its nitroparaffins and nitroparaffin derivatives. The adjustments in price, announced by the industrial chemicals division, are a result of marked improvements recently made in the manufacturing process which have increased yields and improved the quality of the chemicals.

Products affected are the four basic nitroparaffins—nitroethane, nitromethane, 1-nitropropane and 2-nitropropane—and most of their derivatives now on the market. These chemicals are being produced at Commercial Solvents' Peoria, Ill., plant.

Darco Corporation Now Dept. of Atlas Powder

Darco Corporation, formerly a subsidiary of Atlas Powder Company, Wilmington, became the Darco department of that company in a merger effective July 31. Product, personnel and distribution will be continued.

Darco plant expansion at Marshall, Tex., previously announced, is being pushed to the earliest possible completion. With this added capacity, backed by Atlas Powder Company's resources and research, development and engineering facilities, Darco is set to maintain its position as a manufacturer of activated carbons.

Monsanto Assigns Curtis To Deal with Government

Francis J. Curtis, vice-president and director of Monsanto Chemical Company, St. Louis, and secretary of the company's executive committee, has been appointed director of industrial preparedness for the company, with headquarters in Washington, D. C., it was announced August 2 by Dr. Charles A. Thomas, executive vice-president.

At the same time, Philip R. Tarr, European technical representative, has been appointed assistant director. The new assignments include the representation of the company with higher levels of the federal government in Washington. Monsanto's Washington office, under the direction of H. W. Yeagley, will continue its operations as formerly.

Mr. Curtis, a graduate of Harvard University, has been with Monsanto since 1915. As a vice-president and director of the company, he has been in charge of sales coordination since 1948, and is secretary of the executive committee. In the spring of 1945, Mr. Curtis served as technical consultant to the chemical corps investigating Germany's chemical industry.

Francis J. Curtis

Mr. Curtis served as president of the American Institute of Chemical Engineers in 1949. He is past chairman of the American section of the Society of Chemical Industry and past chairman of the American Chemical Society's division of industrial and engineering chemistry. He was jubilee lecturer for the Society of Chemical Industry for 1946-47.

Mr. Tarr received his B.S. and M. S. degrees from Pennsylvania State College. During World War II, he served as a colonel in the chemical corps in charge of chemical intelligence activities. Mr. Tarr, who served four years as assistant to the executive vice-president, was recently appointed Monsanto's European technical representative with headquarters in Paris. This assignment has been postponed.

Catalyst Plant Planned By American Cyanamid

The American Cyanamid Company plans construction of a $3,000,000 plant in East Chicago, where cracking catalysts will be produced for the petroleum industry in the east and midwest. The company is one of the leading producers of synthetic catalysts and when the new plant is completed production capacity will be increased by 50 percent.

Monsanto Advances Faust

Appointment of Harry W. Faust as an assistant director of the St. Louis research department of the organic chemicals division of Monsanto Chemical Company, was announced last week. He will head a section created within the department to meet the expanding needs of application research. The section includes groups now working on application of plasticizers, formulations of agricultural chemicals and engine testing of oil additives.

Du Pont Ups 'Teflon' Output

A new unit has gone into production of "Teflon," tetrafluoroethylene resin, at the plastics plant of E. I. du Pont de Nemours & Co., near Parkersburg, W. Va. It makes available a productive capacity several times that of a plant at Arlington, N. J., where manufacture of the plastic in relatively small commercial quantities was started in 1943. "Teflon" now sells at $6.50 a pound.

Gets New Hercules Post

Forest B. Evans has been named assistant to the general manager of the Virginia cellulose department of Hercules Powder Company, Wilmington. He is at present plant manager of the Virginia cellulose plant at Hopewell, Va. He will be succeeded there by Orval J. Hand, who has served as assistant manager of the Virginia cellulose plant since 1946. Mr. Evans joined Hercules in 1929.

Plasticizer Plant of Pitts. Coke Now in Production

Commercial production of a new line of synthetic organic chemicals, consisting of a variety of plasticizers used in the compounding of resins, rubber and paint, is now underway at the recently completed plasticizer division plant of Pittsburgh Coke & Chemical Company.

The new facilities at Neville Island, adjacent to the company's phthalic anhydride and tar acid refining operations, manufacture several phthalate and phosphate type plasticizers, a number of esters of adipic and sebacic acid, and various specialties including polymeric type plasticizers.

The new plant is producing plasticizers that are essentially odor-free, water-white, acid-free and of constant physical and chemical properties. A new fully equipped laboratory has been set up to handle plasticizer sales service problems, as well as to permit the thorough evaluation and testing of new plasticizers developed by the research department.

Vegetable Oil Products Buys Hardesty Plant

The Vegetable Oil Products Company, Wilmington, Calif., has purchased the Los Angeles plant of W. C. Hardesty Company. Operation of the plant will be carried on under the direction of W. J. O'Connell, formerly vice-president of Hardesty.

'Chemical Industries' Sold

McGraw-Hill Publishing Company announced August 2 purchase of the magazine *Chemical Industries* from Maclean-Hunter Publishing Corporation. No major change is contemplated in the editorial service or publishing program of *Chemical Egineering*. *Chemical Industries*, which has been a monthly magazine, will be published more frequently, definite details to be decided later.

Gross Lab Completed

A. Gross & Co., fatty acids manufacturer, New York, has completed construction of a modern laboratory building at its main plant in Newark, N. J. The first floor of the building is devoted primarily to production control and the second to research work.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Amylcrotonyl acetate.
Dinitronaphthalene.
Iso-octylphenol.
2-Methyl-4 amino-1-naphthol hydrochloride.
Trihexylphenidyl 3-(1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

MCA Develops Plans For Plastics Industry

Plans are being developed for all chemical manufacturers interested in plastic materials to cooperate as an integral group within the newly organized group brought about by merger of the Plastic Materials Manufacturers Association and the Manufacturing Chemists Association, it was announced August 1.

Committees for directing the activities concerned specifically with plastic materials have now been appointed by William M. Rand, president of the Monsanto Chemical Company, and chairman of the board of MCA. These committees are the plastics steering committee, headed by D. S. Frederick, Rohm & Haas Company, and the resin adhesive subcommittee, headed by P. A. Macy, Perkins Glue Company. F. H. Carman, formerly secretary and general manager of PMMA, has joined the Washington staff of MCA and will continue to be active in the plastics program.

Broader Representation of Industry

After a meeting of the plastics steering committee in July, Dr. Frederick stated that the group of plastic materials manufacturers will now provide a broader representation of the industry than was previously possible. Continuing the work done by PMMA in the past, the association will represent the plastic materials manufacturers as an industry group, par-

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DCAT Sets Committees For September Meeting

Committees have been appointed for the sixtieth annual meeting of the Drug, Chemical and Allied Trades section of the New York Board of Trade, to be held at Shawnee-on-Delaware, Pa., September 21 to 23. The committees, and their chairmen, are as follows:

Banquet, C. P. Walker, jr., Citro Chemical Company; business program, Fred G. Singer, E. I. du Pont de Nemours & Co.; evening entertainment, Claude A. Hanford, Pharmaco, Inc.; greetings, Robert B. Magnus, Magnus, Mabee & Reynard, Inc.; golf, William W. Huisking, Chas. L. Huisking & Co.; ladies' golf, Mrs. F. Dean Hidebrandt; ladies' card party, Murray Breese, Murray Breese Associates.

Memorials, William S. Auchincloss, OIL, PAINT AND DRUG REPORTER; miscellaneous sports, James G. Flanagan, S. B. Penick & Co.; publicity, Ira P. MacNair, MacNair-Dorland Company; reception, Lloyd I. Volckening, Ivers-Lee Company; registration, Charles M. Macauley, Pro-phy-lactic Brush Company, and transportation, William H. Sheffield, jr., Innis, Speiden & Co.

Obituaries

C. Richard Woodfill

C. Richard Woodfill, manager of the industrial chemicals division of the Commercial Solvents Corporation, New York, died in Lenox Hill hospital, that city, on

C. Richard Woodfill

July 24, the company reported last week. He was thirty-eight years old.

Mr. Woodfill joined the company in 1933 and worked in the production department at the Peoria, Ill., plant until 1935 when he was transferred to the sales department. He entered the Cleveland office and three years later became its manager. Following army service during the war, he returned as manager of the CSC St. Louis office before being transferred to New York in 1948 as manager of the industrial chemical division.

George W. Hoover

Dr. George W. Hoover, who helped write federal food and drug act of 1906, died at his home in Washington, D. C., July 27. He was seventy-five years old. Dr. Hoover went to Washington in 1904 and worked in the bureau of chemistry under Dr. Harvey W. Wiley, known as the father of the food and drug act.

For two years before the act became law, Dr. Hoover worked with a group whose duty it was to sample food or drug concoctions thought to be harmful to humans. During twenty-five years' service with the bureau, he helped revise certain parts of the law. He resigned in 1929 as

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Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with the OPD office:—

Ammonium nitrate—Luxembourg, Luxembourg (FY-3).

Ammonium sulphate—Luxembourg, Luxembourg (FY-3).

Chemical fertilizers—Luxembourg, Luxembourg (FY-3).

Chemicals—Tehran, Iran (FY-1).

Cosmetics—Brussels, Belgium (FY-2).

Leather chemicals—Turin, Italy (FY-5, agency).

Medical specialties — Brussels, Belgium (FY-2).

Pharmaceuticals—Brussels, Belgium (FY-2).

Rubber chemicals — Turin, Italy (FY-5, agency).

Textile chemicals—Turin, Italy (FY-4, agency).

Washington Talks It Over

By Ralph L. Cherry

The Food and Drug Administration and the courts are taking a very dim view of the continued violations by retail druggists of restrictions against over-the-counter sales or potentially dangerous drugs. Out of seventeen court cases involving drug products last June, fourteen of them involved retail druggists who had sold potent medicines without requiring the purchaser to present a doctor's prescription.

In each case, FDA was able to get a conviction and the courts went right along with the crackdown campaign by levying heavy fines on the violators. While there were no jail sentences, fines generally ran around $300 and in two cases went up to $1,000 and $2,000 each. Barbiturate sleeping pills and sulfa drugs for self-treatment of venereal diseases headed the drugs which formed the basis of the court actions.

Commissioner Paul B. Dunbar points out that the restrictions against over-the-counter sales of potent medicines are written for the patient's own protection. While there are many drugs which can be sold for self-medication under proper labeling, FDA files are filled with case reports of death or other tragedy from the use of potent prescription medicines without the proper supervision, diagnosis, or instruction of a physician. He described the unsupervised use of barbiturates as a national health menace.

Industrial Security Training

With the stepup in military procurement and in the light of the tense international situation, it behooves industry to give more thought to security measures which they should consider and possibly put into effect.

"Guarding Against Sabotage," an army training film illustrating how attempts to destroy industrial facilities can be combated, is being made available to industry by the Department of Defense for showing to workers to make them more conscious of the fifth column. The film was prepared by the army signal corps.

Prints of "Guarding Against Sabotage" may be borrowed from the signal officer of the army area in which the borrower resides. Requests should be addressed to the signal officer as follows:—First army, Governors Island, New York; second army, Fort George G. Meade, Maryland; third army, Fort McPherson, Georgia; fourth army, Fort Sam Houston, Texas; fifth army, Chicago, Ill.; six army, San Francisco; Military District of Washington, Washington 25, D. C.

Oleo Law Enforcement Balked

The Federal Food and Drug Administration will be able to do no more than go through the motions of enforcing the new oleomargarine law because neither congress nor the Bureau of the Budget has been willing to allot the agency the amount of money it says will be needed if the job of policing the nation's restaurants is to be done properly.

Under the law, restaurateur and proprietors of public eating places are required to post notices that they are serving oleomargarine. To make sure that this requirement is being observed FDA estimated that it would need about $5,000,000 for the policing job. The Bureau of the Budget threw up its hands at such a figure and authorized the agency to ask congress for only $900,000. Even this was considered too much so the senate appropriations committee cut it back to $600,000.

FDA estimates that this amount will enable its agents to police each restaurant and eating place once every six or seven years to see whether there might be violations of the law. That's not very often and why the dairy bloc did not force a big increase in the fund is difficult to understand.

Castor Bean Coming Along

One thing you can credit the Department of Agriculture with is its "stick-to-itness." For years and years, it has maintained the belief that this country could become an important producer of castor beans if we put our minds to it—and the department has been working to this end every year. Each year has been marked with progress, although the ultimate goal is not yet in sight.

Domestic production of castor beans as a farm crop in areas of adaptation in this country has been tentatively demonstrated to be feasible, but the problem has been how to get around the high labor requirements for the crop. The department is now working on new strains of the bean which it is hoped will reduce labor costs.

Castor beans are suited to the overlapping area of the cotton and corn belts, in Oklahoma and Kansas particularly, and in the marginal cotton-producing localities in California. In the current crop year it is estimated that a total of approximately 20,000 acres will be planted in three or four single variety concentrated areas in Oklahoma, Texas, and California under contract by a commercial castor bean processing concern.

Oil Substitutes Sought

If the ideas of some of the research scientists of the Department of Agriculture pan out successfully, the necessity of stockpiling huge amounts of special oils might be eliminated, as well as the large problem of what to do with surplus sup-

—Continued on page 34

Promoted by Westvaco

Don C. Oskin, currently manager of the phosphate sales division of Westvaco Chemical Division of Food Machinery & Chemical Corporation, New York, has been appointed director of district sales, correlating activities of branches throughout the country. James R. Harris, jr., who has been Mr. Oskin's assistant becomes division sales manager in New York in charge of phosphate sales.

Hooker and Plant Union Sign Five-Year Contract

Hooker Electrochemical Company has signed a five-year contract with the employees' union at the company's plant in Niagara Falls, N. Y. The nearly fifty items negotiated include a general pay increase of 6 cents an hour and hospital and surgical benefits to include dependents, the company paying 80 percent and the employees 20 percent of the cost, while the company will pay 100 percent of the New York State disability insurance cost.

Vacation schedules have been augmented to give two weeks' vacation with pay at the completion of two years' service rather than three years as formerly. The regular schedule of three weeks' vacation after fifteen years of active service, and four weeks after twenty-five years is maintained. A new feature of the vacation schedule permits postponed vacation time to be used during the following year.

The contract may be reopened by either the company or the union for consideration of general rates of pay on the first and second anniversaries, and for general rates plus additional monetary issues on the second and fourth anniversaries. Continuing over forty years of industrial peace at the Hooker company, the new five-year contract agrees to no strikes, slowdowns or lockouts.

Columbia Chemical Signs Barberton Union Contract

The Columbia Chemical Division of Pittsburgh Plate Glass Company has signed a three-year closed contract with Allied Chemical Workers, independent, at the firm's large Barberton, Ohio, plant. Union employees were granted a 5 cents an hour general wage increase immediately, 5 cents more on June 28, 1951, and a third wage hike on June 28, 1952. All provision of the new agreement will remain in effect during the three-year life of the agreement.

In addition to the wage increase, the company has granted improved shift differentials, increased group hospitalization benefits and three-week vacations to employees with twenty years' service.

Newcomb to Be Feted By Drug Trade Sept. 20

A tribute in recognition of his services and contributions to the welfare of the drug trade will be tendered Dr. E. L. Newcomb, executive vice-president of the National Wholesale Druggists Association on September 20 in the Waldorf-Astoria, New York. The date occurs immediately following the adjournment of the annual meeting of NWDA but will be independent of the convention.

The affair has been planned by a small group on behalf of the drug and related industries, the group acting for the following sponsoring associations:

American Association of Colleges of Pharmacy, American Chemical Society,

E.L. Newcomb

American Drug Manufacturers Association, American Foundation for Pharmaceutical Education, American Pharmaceutical Association, American Pharmaceutical Manufacturers' Association, Conference of State Pharmaceutical Association Secretaries, Federal Wholesale Druggists Association, Health Information Foundation, Manufacturing Chemists Association, National Association of Boards of Pharmacy, National Association of Chain Drug Stores, National Association of Retail Druggists, National Wholesale Druggists' Association, Proprietary Association of America, and the Toilet Goods Association.

Table of Ten Available

Tickets to the luncheon are $10 each. Tables seating ten may be reserved on request and will be assigned in order in which requests are received. Ladies will be welcome. A tangible personal gift will be given Dr. Newcomb from the money contributed, and the unspent balance will go to the creation of some educational or related plan, likely to bear the title of "The Edwin Leigh Newcomb Fund" to be established according to his wishes.

Penick Fund Custodian

Reservations, tickets, and money contributions, apart from the luncheon cost and not to exceed $100, may be made to S. B. Penick, sr., Fund Custodian, 50 Church street, New York 7, N. Y.

It was emphasized that the committee in charge of arrangements was unable to make a complete list of all Dr. Newcomb's friends and any who have been inadvertently overlooked may participate by addressing a request to Mr. Penick.

Michigan Chemical Puts Salt Plant in Operation

Michigan Chemical Corporation, St. Louis, Mich., has started operation of its new salt plant. It employs a type of forced circulation evaporator which has never been used before in the commercial salt industry, according to the company. Upon the completion of some changes in auxiliary equipment and in warehousing arrangements, Michigan Salt Company, wholly owned subsidiary, will be selling table salt, salt for stock feeding and industrial salt.

Dow Completes Construction Of Latex Production Plants

The completion of two latex production plants has been announced by Donald L. Gibb, manager of the plastic sales division of Dow Chemical Company, Midland, Mich. A new plant at Freeport, Texas, and the rebuilt plant at Midland have started production. The Midland latex plant was severely damaged by fire five months ago and has been completely rebuilt and enlarged. With the addition of the new Texas plant, Dow's latex production capacity has now been doubled.

ISOSTYRE*

is now available to manufacturers of

ENAMELS, CLEAR VARNISHES
SHELLAC SUBSTITUTES, FLOOR SEALERS

who want their products to possess Color and Gloss Retention of a quality heretofore unknown in the Paint Industry

We're sorry we couldn't print this advertisement in glowing red – because for us Isostyre marks a red letter day. For, after experimentation, testing and re-testing, we now have Isostyre in commercial production.

We could tell you about gloss and color retention, rapid dry, waterproofness, alcohol and alkali resistance, durability, hard and flexible film – plus the additional amazing properties of our new and exciting advance in chemistry.

But since we couldn't red letter the advertisement – we're being conservative and only listing the characteristics of Isostyre.

The rest is up to your own imagination, and your desire to improve your product.

Read the list carefully – and compare Isostyre to any product you are presently using. Then, if you (yourself) are interested in using Isostyre – let us know so we can send you further details and samples of Isostyre for your own testing.

We have reason to believe that using Isostyre will enable you to produce coatings of quality never made before in the Paint Industry. After testing Isostyre yourself, we think you'll agree.

* ISOSTYRE (Reg.) is a Styrenated Dehydrated Castor Oil which will provide your products with unique characteristics.

REACTIVITY

'Isostyre' is non-reactive in the presence of basic pigments such as zinc oxide. Thus zinc oxide may be used in whites without loss of gloss.

STABILITY

'Isostyre' may be used in all types of enamels without fear of viscosity changes. A point of superiority over other styrenated products.

SPEED OF DRY

A film of 'Isostyre' one mil thick (dry basis) will air dry tack free in 30 minutes, hard dry in 50-60 minutes or bake out at 200° F. in 45 minutes. 'Isostyre' can be recoated after over-night dry without "pick-up".

MINERAL SPIRITS TOLERANCE

'Isostyre' can be reduced 400% with Mineral Spirits.

DURABILITY

'Isostyre' has durability approximately equal to that of a medium length alkyd resin.

HARDNESS

Gloss enamels formulated with 'Isostyre' will air dry (in 24 hours) to films of sward hardness of 40.

BRUSHING

'Isostyre', like alkyd resins, has somewhat harder brushing properties than many oleoresinous varnishes. This problem can usually be overcome by pigmentation and choice of solvents.

COLOR RETENTION

'Isostyre' has been proven superior to other stryrenated oils currently available and is comparable to that of high quality Soya Alkyd and D. C. O. resins.

USE OF DRIER

'Isostyre' will dry rapidly in the absence of drier. However, a small amount of Cobalt (0.03%) as naphthenate will effectively improve the dry and correct any tendency to forming a wrinkle film. No other drier should be used.

SOLVENT RESISTANCE

'Isostyre' will soften in contact with common solvents but recovers completely in a short time.

After extensive testing and with the experience of two years of manufacturing in our Canadian plant – ISOSTYRE is now in commercial production in our recently completed plant at Harrison, New Jersey. It is now available to you in quantity. Please call on us for information and samples – Isostyre will improve your products.

WOBURN CHEMICAL CORP. (N.J.)

WOBURN dependable PRODUCTS

FATTY ACIDS, SPLIT AND DISTILLED

CASTOR • CHINAWOOD • COCOANUT • CONJULIN • COTTONSEED • DISTOLINE
HELIOLINE • ISOLINE • LAURIC • LINSEED • MARINE • PALM • SOYA • TALLOW

SYNTHETIC DRYING OILS, ESTERS AND PLASTICIZERS • ESTER GUMS AND ROSINS • PIGMENTS AND COLORS

1200 HARRISON AVENUE, KEARNY, NEW JERSEY • KEARNY 2-3300

Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Association of Textile Chemists and Colorists, Portsmouth, N. H., September 28-30.

American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington, D. C., September 18-22.

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Gas Association, Atlantic City, October 2-6.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.

American Oil Chemists Society, Sir Francis Drake hotel, San Francisco, September 26-28.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16

American Pharmaceutical Manufacturers' Association, Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Soybean Association, Springfield armory, Springfield, Ill., August 28-30.

Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5.

Congress of the International Union of Leather Chemists Societies, London, September 10-13, 1951.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25.

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11

National Agricultural Chemicals Association, Essex and Sussex hotel, Spring Lake, N. J., September 6-8.

National Association of Retail Druggists, Long Beach, Calif., October 15-21.

National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19

National Chemical Exposition, Coliseum, Chicago, September 5-9.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Safety Congress, Chicago, October 18-20.

National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25

Pharmaceutical Council of Greater New York, drug show and exhibit, Statler hotel, New York, September 25-27.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 15; annual meeting, Commodore hotel, New York, December 13.

General Mills Offers New Alkyd Resin for Test Use

A new alkyd resin which is a pentaerythritol ester of rosin, fatty acid and maleic anhydride, is being introduced in the Chicago, Milwaukee and Philadelphia areas by its producer, General Mills Research Laboratories, Minneapolis, in a city-by-city test market campaign.

The new varnish resin, "Modiphat 345," is described as a fast-drying, oil soluble alkyd resin, made with fatty acid mixtures containing substantial amounts of conjugated linoleic acid. When heated slightly, it disperses rapidly in oil, producing rapid-drying varnishes that yield hard, tough films with excellent color and resistance to water and alkali.

Samples of "Modiphat 345" are available from General Mills to interested firms in the test market areas. Single drum quantities for large scale evaluation are also being offered.

Schering Corp. Elects M.J. Fox Treasurer

The election of Mortimer J. Fox, jr., as treasurer has been announced by Schering Corporation, pharmaceutical manufacturer, Bloomfield and Union, N. J. Mr. Fox has served the company as assistant to the president, in charge of financial matters, for the past fourteen months. C. F. Eurich, former treasurer of Schering, has been retired after having served the company for twelve years.

Oils, Fats Output, Use: June

Statistics on production and consumption of oils and fats, including raw materials and primary products, have been compiled by the Bureau of the Census, Department of Commerce, for the month of June. The data are as follows:—

Primary Products

	Production	Consumption	Stocks June 30
	Pounds	Pounds	
	Production	Consumption	Stocks June 30
Animal foots from refining, 100% basis	1,674,000	1,523,000	2,159,000
Babassu oil, crude	[2]	2,808,000	4,321,000
refined	[2]	[2]	[2]
Castor oil, No. 1	8,448,000	7,930,000	[2]
No. 3, crude	2,324,000	2,278,000	[2]
Chinawood or tung oil	[2]	8,325,000	22,220,000
Coconut oil, crude	34,321,000	39,642,000	[2]
refined	22,909,000	21,673,000	7,756,000
Cod and codliver oil	8,000	1,278,000	4,934,000
Corn oil, crude	20,801,000	19,673,000	12,457,000
refined	18,281,000	15,574,000	3,871,000
Cottonseed oil, crude	68,051,000	87,477,000	50,478,000
refined	80,792,000	114,983,000	225,034,000
Fish and marine mammal foots, 100% basis	[7]	374,000	[7]
Fish oil, refined	[7]	2,661,000	4,965,000
Fish oil, not specified, except liver oil	591,000	329,000	3,131,000
Fishliver oil, not specified	22,000	635,000	516,000
Grease, other than wool	52,254,000	40,153,000	120,858,000
Lard, rendered[4]	185,000,000	[5]	150,324,000
refined[4]	115,000,000	3,606,000	35,680,000
Linseed oil, raw	63,490,000	44,990,000	551,263,000
refined	16,455,000	18,897,000	27,215,000
Marine mammal oil, not specified		1,638,000	4,000
Menhaden oil	13,018,000	4,331,000	16,453,000
Neatsfoot oil	170,000	313,000	1,150,000
Oiticica oil	[5]	459,000	2,223,000
Olive oil, edible	[2]	371,000	4,089,000
inedible	[5]	89,000	151,000
sulphur foots	[5]	[2]	1,773,000
Palm oil, crude	[5]	3,567,000	[5]
refined	[2]	[2]	[2]
Palm kernel oil, crude	[5]	[2]	[5]
refined	[2]	[2]	[2]
Peanut oil, crude	9,985,000	10,015,000	13,228,000
refined	9,400,000	8,375,000	16,195,000
Perilla oil	[5]	[5]	[2]
Rapeseed oil, crude	[5]	[2]	1,207,000
refined	[5]	301,000	1,818,000
Sardine (pilchard) and herring oil	3,867,000	5,779,000	23,055,000
Sesame oil, crude	[2]	[2]	[2]
refined	[5]	9,000	109,000
Soybean oil, crude	141,705,000	142,853,000	88,338,000
refined	132,235,000	120,525,000	77,528,000
Sperm oil	[6]	[6]	[6]
Tallow, edible	8,493,000	4,395,000	4,712,000
refined	1,048,000	1,233,000	721,000
inedible	105,524,000	91,851,000	232,110,000
refined	20,703,000	19,942,000	24,701,000
Vegetable oil, not specified, crude	3,813,000	4,397,000	7,866,000
refined	4,818,000	5,078,000	1,628,000
Vegetable foots, 100% basis	16,467,000	16,733,000	43,653,000
Whale oil	[5]	[5]	[6]
Wool grease	1,012,000	[5]	[8]2,062,000

Primary Products, Except Oil

		Production	Shipments and transfers	Stocks June 30
		Production	Shipments and transfers	Stocks June 30
Cottonseed cake and meal	tons.	93,264	109,016	163,350
hulls	tons.	50,714	48,318	81,712
linters	bales.	957,396	82,301	[9]73,799
hull fiber	lbs.	250,000	349,000	121,000
motes and grabbos	lbs.	1,252,000	2,400,000	3,326,000
Soybean cake and meal	tons	323,249	340,398	65,965
lecithin	lbs.	1,179,042	1,304,454	678,349
edible soy flour, full fat	tons.	530	467	220
other	tons.	4,835	5,097	1,147
industrial soy flour	tons.	[7]	[7]	[7]
Other cake and meal—				
Castor bean	tons.	6,146	5,777	1,283
Copra	tons.	9,321	9,716	5,598
Corn germ	tons.	14,462	14,097	1,512
Flaxseed	tons.	60,011	45,402	25,643
Olive	tons.	[5]	[5]	[5]
Peanuts[1]	tons.	8,189	[5]	1,857
Tung nut	tons.	[11]	[11]	[11]
Other	tons.	2,235	3,420	4,618

Secondary Products

	Production	Consumption	Stocks June 30
	Pounds	Pounds	
	Production	Consumption	Stocks June 30
Animal fat and oil fatty acids	16,815,000	14,572,000	15,334,000
Castor oil, chemically dehydrated	3,595,000	3,425,000	7,005,000
Deodorized oil[12]	21,372,000	11,210,000	4,870,000
Fatty acid stock, including spent and salvaged oils and fats, palm oil refuse, etc. (100% fatty acid basis)	355,000	1,293,000	3,233,000
Fatty acids from fractioning or pressing—			
Oleic acid	6,818,000	4,305,000	[13]9,234,000
Stearic acid	5,128,000	4,399,000	[13]11,311,000
Other acids	[7]	510,000	[7]
Fish and marine mammal fatty acids	223,000	690,000	2,247,000
Glycerin, chemically pure (100% basis)[14]	9,932,000	8,011,000	22,537,000
crude (100% basis)	[15]16,180,000	18,984,000	12,707,000
high gravity and yellow distilled (100% basis)	8,079,000	7,961,000	15,132,000
Grease oil and lard oil	4,338,000	2,756,000	6,730,000
Hydrogenated oil and fats, edible—			
cottonseed	45,849,000	42,667,000	21,917,000
soybean	37,229,000	29,896,000	17,699,000
other	9,165,000	4,530,000	4,093,000
Inedible—			
animal	3,343,000	3,220,000	2,463,000
fish	2,010,000	2,862,000	2,866,000
vegetable	[7]	330,000	768,000
Oleomargarine	68,328,000	[5]	22,035,000
Oleo oil	4,513,000	378,000	2,891,000
Shortening	113,440,000	940,000	117,648,000
Solid fatty acids produced by splitting hydrogenated fats and oils or by hydrogenation of fatty acids	6,740,000	1,649,000	[15]5,042,000
Stearin, animal, edible	2,035,000	1,905,000	2,682,000
inedible	1,443,000	1,028,000	1,120,000
vegetable oil, winter	7,580,000	9,394,000	11,708,000
Tall oil, crude	22,137,000	16,562,000	39,847,000
refined, including distilled and fractionated tall oil	8,191,000	4,781,000	12,188,000
Tallow oil	898,000	565,000	2,630,000
Vegetable oil fatty acids from foots and other than from foots	15,312,000	11,680,000	20,055,000
Winterized oil	43,248,000	28,241,000	31,973,000

Raw Materials at Mills

	Receipts	Crushings	Stocks June 30
	Tons	Tons	
	Receipts	Crushings	Stocks June 30
Castor beans	3,705	11,544	10,848
Copra	24,282	27,134	10,342
Corn germs	27,515	27,389	1,072
Cottonseed	47,229	208,263	333,993
Flaxseed	115,930	91,549	63,136
Olives	[11]	[11]	[11]
Peanuts,[1] shelled	[5]	11,660	[5]
unshelled	[5]	1,467	[5]
Soybeans	229,664	417,381	854,327
Tung nuts	[11]	[11]	[11]
Other	4,651	5,327	2,324

[1] Data collected by the Bureau of Agricultural Economics.
[2] Included in "other vegetable oils" to avoid disclosure of individual operations.
[3] Data for stocks of crude palm oil, crude coconut oil, castor oil No. 1 and No. 3, and sperm oil will not be shown for a period of three months (June, July, August) but in September will be restored on a commercial stocks basis. The exclusion of these figures for three months is done to make it impossible to calculate reasonably accurate figures for stockpiles of strategic materials.
[4] Data on production collected by the Department of Agriculture. Refined lard production data represent Federally Inspected Lard. Lard stocks include quantities held in refrigerated storage amounting to 134,708,000 pounds for June 30, as reported by the Department of Agriculture.
[5] Data not available.
[6] Included in "other marine mammal oil."
[7] Not shown to avoid disclosure of individual operations.
[8] Held by wool scourers.
[9] Includes 16,507 bales first cut, 40,158 bales second cut, and 931 bales mill run. Average gross bale weights:—Total, 611.2; first cut, 579.8; second cut, 624.6; and mill run 588.1 pounds.
[10] Includes 38,543 bales first cut, 29,232 bales second cut, and 6,024 bales mill run.
[11] Included in "other" to avoid disclosure of individual operations.
[12] Winterized-deodorized oil, hydrogenated-deodorized oil and cooking and salad oil not included.
[13] June data include 5,192,000 pounds held by producers.
[14] June data include 4,363,000 pounds held by producers.
[15] June data include 2,786,000 pounds held by producers.
[16] Includes data for synthetic glycerin.

ASA Names Speakers For Annual Convention

Senator Scott Lucas of Illinois will be banquet speaker at the thirtieth annual convention of the American Soybean Association in Springfield, Ill., August 28 to 30, secretary-treasurer Geo. M. Strayer said last week. The convention banquet will be held in the Elks club building in Springfield, August 29. The Leland hotel will be convention headquarters and all sessions except the banquet will be held in the Illinois State Armory.

The formal program will be presented the first two days, Monday and Tuesday, August 28 and 29. The third day will be given over to discussion of crop promotion. Soybean processors and grain handlers are given special invitations to attend this session. A tour for the women will be held August 30.

A discussion of new developments in protein feeding of livestock in the light of such new products as animal protein factor and streptomycin will feature the convention. Clyde H. Hendrix, president of the feed and soy division of Pillsbury Mills, Inc., Clinton, Ia., will speak on the subject of protein feeding and soybean oil meal. He will appear on the program August 29.

"The new products such as animal protein factor are making a big impact on the feed business and livestock feeding practices," said Mr. Strayer. "There are still many unaswered questions concerning them. Mr. Hendrix is well qualified to bring to the convention the latest livestock feeding information. He has been connected with the feed and soy division of Pillsbury Mills since 1942, so has wide contacts with both the feed industry and the soybean industry."

Other Speakers Listed

Other speakers that have been confirmed, and their subjects are:—

G. L. Jordan, professor of agricultural economics, University of Illinois, Urbana, Ill., "What Determines Soybean Prices"; Fred J. Rossiter, associate director, Office of Foreign Agricultural Relations, Department of Agriculture, Beltsville, Md., "USDA's Soybean Variety Program"; R. C. Pollock, National Livestock and Meat Board, Chicago, "Promoting Your Product"; J. P. Whitehurst, Miami Margarine Company, Cincinnati, "Using Soybean Oil in Margarine."

L. K. Arnold, department of engineering, Iowa State College, Ames, "Protein from Trichloroethylene Solvent Plants"; A. L. Ward, director educational service, National Cottonseed Products Association, Dallas, Texas., "Industrywide Educational Programs"; R. T. Milner, director Northern Regional Research Laboratory, Peoria, Ill., "Where Are We Going in Soybean Research?"; Ralph E. Carlyle, Monsanto Chemical Corporation, St. Louis, Mo., "Use of Chemicals in Weeding and Harvest Drying in Soybeans"; Lawrence Farlow, secretary, Farmers Grain Dealers Association of Illinois, Bloomington, "Soybeans and the Country Elevator," and H. P. English, general field headquarters, Grain Branch Production and Marketing Administration, Chicago, "Effect of 1949 Grading Standards on Soybean Marketing."

M.M.&R. Selling Dow's Propylene Glycol in N.Y.

The Dow Chemical Company, Midland, Mich., has appointed Magnus, Mabee & Reynard, Inc., distributor of propylene glycol in the New York area. Other Dow representatives in the area are National Oil & Supply Company, Merchant's Chemical Company, McKesson & Robbins, Inc., and Florasynth Laboratories.

NACA Annual Meeting At Spring Lake Sept. 6-8

The annual meeting of the National Agricultural Chemicals Association will be held at the Essex and Sussex hotel, Spring Lake, N. J., September 6 to 8. The program, not yet completed, will bear heavily on the impact of the international situation on future availability of raw materials.

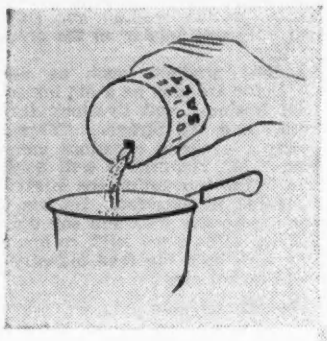
Balfe Leaves Nat'l Distillers

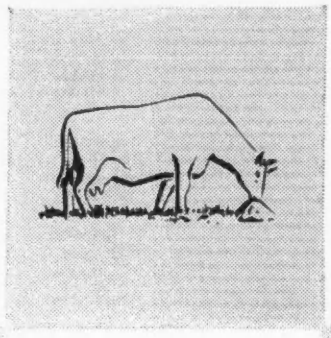
Thomas W. Balfe has resigned as vice-president and a director of National Distillers Products Corporation, New York, after seventeen years service. He will continue to serve the company in a consulting capacity.

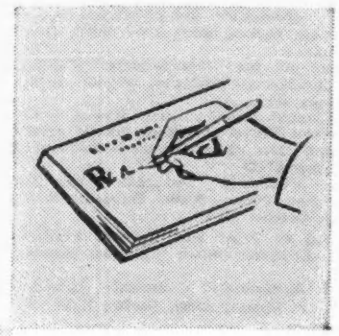
You gain when we concentrate

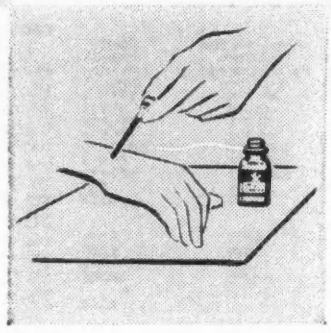
on fewer fine chemicals

One of our specialties: iodides









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For salt manufacturers, Baker supplies Potassium Iodide in crystal, granular or powder form.

For manufacturers of poultry and livestock feeds, Potassium Iodide is made as 90-10 mixture, the 10% being Calcium Carbonate or Magnesium Carbonate or Calcium Stearate.

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Current Market Quotations

Chemicals and Related Materials

August 4, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, arabic).

Acenaphthene, below 92.5 C., m.p., dms., works lb. 40 - —
above 92.5 C. m.p. dms., works, lb. .50 - —

Acetaldehyde, 99% dms. c.l., frt. equald lb. .12 - —
l.c.l., frt. equald lb. .12½ - —
tanks, frt. equald lb. .10 - —

Acetaldol (see Aldol).

Acetamide, tech. fib, dms lb. .45 - —

Acetanilide tech. bbls., c.l. dlvd or frt. equald lb. .22 - .24½
l.c.l., ton lots lb. .23 - .25½
smaller lots lb. .26 - .28½
USP, bbls. 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —

Acetic anhydride dms., c.l., frt. alld, E lb. .13 - —
l.c.l., frt alld E lb. .14½ - —
tanks, frt. alld E lb. .11½ - —

Acetoacetanilide bbls., dlvd lb. .67½ - —
fib. dms., c.l., dlvd lb. .63½ - —
l.c.l., dlvd lb. .69½ - —

Acetoacetorthoanisidide, fib dms., works 500 lbs. or more lb. 1.50 - —
smaller lots same basis lb. 1.75 - —

Acetoacetorthochloranilide, bbls., dlvd lb. 1.13 - —
fib. dms., c.l., dlvd lb. 1.14 - —
l.c.l., dlvd lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .72½ - —
fib. dms., c.l., dlvd lb. .73½ - —
l.c.l., dlvd lb. .74½ - —

Acetone, CP, dms., c.l., dlvd lb. .09¼ - —
l.c.l., dlvd lb. .10 - —
tanks, dlvd lb. .07½ - —
Methyl (see M).

Acetonitrile, dms., c.l., works lb. 43 - —
l.c.l., works lb. .45 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.33

Acetophenone, cns. dms lb 1.30 - 1.45
tech., l.c.l., dms., works lb. .75 - —

Acetoactoparaphenetidide, dms., 500 lbs or more, works, lb. 1.65 - —
smaller lots same basis lb 1.90 - —

Acetyltributyl citrate, dms. lb. .43 - .45
smaller pkgs lb. .48 - .54

Acetyltriethyl citrate, dms. lb. .36 - .38
smaller pkgs. lb. .41 - .47

Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .11½ - —
cryst., dms., c.l., works lb. .05½ - —
l.c.l., works lb. .06 - .06½

Acetic, com'l or redist., 28%, bbls 100 lbs 4.00 - —
56%, bbls 100 lbs. 7.10 - —
70%, bbls 100 lbs. 8.10 - —
80%, bbls 100 lbs. 8.75 - —

glacial, synthetic, CP, dms., works 100 lbs.13.00 - —
cbys., works 100 lbs.18.00 -22.00
USP, cbys., works 100 lbs.13.50 -17.50
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
t.c.l. works 100 lbs 9.50 -10.00
tanks, works 100 lbs. 7.50 - 8.00

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c per 100 lbs. higher.

Acetic annydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers primary distrib., point of ship't, 1,000-lb. lots lb. .57 - —
standard, fi.ne cryst., gran., (30-40 mesh) powd. (80 mesh) bbls. same basis, lb. .52 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich. Chicago and St. Louis.

Aconitic, 5,000 lbs 1 shipt. dms., lb. .49 - —
smaller lots, dms lb. .49½ - .54½

Adipic, fib. dms., works lb. .26¼ - —

Ammoacetic, NF bbls., frt. adjusted lb. 1.50 - 1.75

Anthranilic, resub. bbls lb 2.10 - —
tech., bbls lb. 1.10 - 1.21

Arsenous (tech (see Arsenic, white).
USP (see Arsenic trioxide).

Ascorbic USP dms. 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —

Battery, cbys., c.l., E. works 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —

Benzoic, tech. bbls. dms., 100 lbs. or more lb. .43 - —
USP, bbls. dms. 100 lbs up lb. .54 - —

Betahydroxynaphthoic bbls., works lb. 1.23 - —

Boric, tech. 99½%, cryst., bgs. c.l., works ton.115.25 - —
ton lots ex whse, N. Y. or Chi. ton.160.00 - —
less ton lots same basis, ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi. ton.180.00 - —
less ton lots, same basis, ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots ex whse., N. Y. or Chi. ton.135.00 - —
less ton lots, same basis, ton.140.00 - —
bbls, c.l., works. ton.110.25 - —
ton lots, ex whse., N. Y. or Chi. ton.155.00 - —
less ton lots, same basis, ton..160.00 - —

Acid, boric, tech., 99½%, gran., bulk c.l., works ton 56.75 - —
powd., bgs., c.l. works ton 95.25 - —
ton lots ex whse., N Y or Chi ton.140.00 - —
less ton lots same basis ton.145.00 - —
bbls, c.l. works ton.115.25 - —
ton lots ex whse., N Y or Chi ton.160.00 - —
less ton lots same basis ton.165.00 - —
bulk c.l., works ton.91.75 - —
USP $25 per ton higher.

Broenner's, bbls lb. 1.34 - —

Butyric, 99%, dms. c.l. works lb. .36½ - —
l.c.l., works lb. .37 - —
tankcars, works lb. .35 - —

Cacodylic, bots lb.10.00 -11.00

Camphoric, natural, dms. lb 5.00 5.63
synth. dms lb 4.00 4.75

Capric, 70%, dms lb. .27¾ - .28½

Caprylic, 65%, dms lb. .49¼ - .50

Castor oil, split, dms lb. .28¼ - .28¾

Chlorosulphonic, dms. c.l. works. lb. .03½ - —
l.c.l., works lb. 03¾ - —
tanks, works lb. .02¾ - —

Chromic, 99½-99¾% dms., c.l. works lb. .25½ - —
l.c.l. works lb 26 27
USP (see Chromium trioxide)

Cinnamic, refd. bots lb 2.50 4.00

Citric, anhyd. gran., fine gran., dms., c.l. lb. .26½ - —
10,000 lbs. 1 ship't lb .27 - —
smaller lots lb .27½ - —
kgs lb .28½ - —
Anhydrous citric acid powder, ½c per lb. higher

USP cryst., dms. c.l. lb. .27½ - —
10,000 lbs., 1 ship't lb .28 - —
smaller lots lb .28½ - —
kgs lb .29½ - —
gran., fine gran., dms., c.l. lb. .24½ - —
10,000 lbs. 1 ship't lb .25 - —
smaller lots lb .25½ - —
kgs lb .26½ - —
USP citric acid powder ½c. per lb higher.

Cleve's, mixed, bls lb. .72 - —

Coconut oil, dist., dms lb. .25½ - .26
double dist., dms lb. .27½ - .28

Cottonseed oil, dist., dms lb. .14 - .15¼
double dist., dms lb. .14½ - .15¾

Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald gal. .91 - 1.06
l.c.l. non ret dms., same basis gal. .84 - 1.09
ret. dms., c.l. same basis gal. .83 - .93
l.c.l., same basis gal. .86 - .96

Acid, cresylic, dom. coaltar, 50% above 207°C, tanks, same basis gal. .75 - .93
204° to 207° C, non-ret., dms., c.l., same basis gal. .91 - 1.06
l.c.l., same basis gal. .94 - 1.09
ret. dms. c.l. same basis, gal. .88 - —
l.c.l., same basis gal. .91 - —
tanks, same basis gal. .80 - .93

petroleum, 179°C to 198°C, non-ret dms., c.l., San Francisco and Los Angeles gal. .67½ - —
l.c.l., same basis gal. .69½ - 71½
tanks, same basis gal. .57 - —
195° to 213°C non-ret. dms., c.l., San Francisco and Los Angeles gal. .55½ - —
l.c.l., same basis gal. .57½ - .59½
tanks, same basis gal. .45 - —
200°C to 222°C, tanks, Wilmington, Cal gal. .40½ - —
211°C to 236°C. non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½ - —
l.c.l., same basis gal. .55½ - .57½
tanks, same basis gal. .43 - —
220°C to 242°C, tanks, Wilmington, Cal gal. .38½ - .41½
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .51½ - —
l.c.l., same basis gal. .53½ - .55¼
tanks, same basis gal. .41 - —
245°C to 298°C, tanks, Wilmington, Cal gal. .36½ - —
295°C to 325°C tanks, Wilmington, Cal gal. .26½ - —
imported, coaltar, 75% at 215°C or over, dms., c.i.f. gal. .52½ - .57¼

Crotonic, fib dms. works lb. .29 - —

Cyanoacetic, tech. bbls lb. .90 1.25

Desoxycholic lb.17.00 -22.00

Dichlorophenoxyacetic, (see "D" 2, 4-D)

Diethylbarbituric (see Barbital)

Diglycolic, bgs., works lb. .14 - —

Ethylthexoic, dms. c.l., works lb. .32 - —
l.c.l., works lb. .32½ - —
tanks, works lb. .30½ - —

F, bbls. works lb. 1.87 1.93

Folic bots. fib etns. kilo or more gram 2.00 - —

Formic, 85% cbys. c.l. works lb. 13 - 13½
l.c.l., works lb. 13½ - 14
90%, cbys., c.l., works lb. 13½ - 14
l.c.l., works lb. 14 - 14½

Fumaric, tech., bbls., dms lb. .30 .31

Gallic, NF VII, bbls., 1,000-lb. lots lb 1.60 —
smaller lots lb 1.63 1.65
technical, bbls., 1,000-lb. lots lb 1.43 —
smaller lots lb 1.46 1.48

Gamma, bbls lb. 1.32 - —

Acid, gluconic, tech., 50%, bots lb. .23 .31
dms lb. .14 - —
kgs. lb. .16 - —

Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb 2.30 2.40
25 lb lots lb 2.45 —

Glycerophosphoric, 35%, dms., works lb 2.15 2.23

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. 73½ —

Hydriodic, 45-47%, cbys lb 2.57 2.59
57%, cbys lb 2.86 - —

Hydrobromic, mecicmal, 48%, cbys., dlvd E lb. .33 —
tech., 48%, cbys., dlvd E lb. .34 .36
34%, cbys., dlvd E lb. .25 .27

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb 1.00 - —
dilute, NF, 2%, 5-lb bots lb. .37 - —

Hydrofluoric, anhyd., cyls., works. lb. .19 - .19½
tanks, works lb. .16½ - —
30%, wood or rubber, dms., works lb. .08½ - .09
70%, steel dms., works lb. .143 - .148

Hydrofluosilicic, 30-35%, bbls lb. 08 .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. 064 —
tanks, Belle W. Va., 100% basis lb. .065 —

Hypophosphorus, purif., 50%, cbys. lb 1.30 1.32

USP, cbys lb. 78 - —

J, bbls., works, 100% basis lb 2.50 - 2.85

L, bbls., works lb. 1.25 - —

Lactic edible, 50%, bbls., 20 or more lb. .18½ - —
smaller lots lb. .19 - —
80%, bbls. 20 bbls. or more. lb. .285 .333
plastic grade, 50% bbls., 20 or more lb. .19¾ - —
10 or less lb. .20½ - —
80%, bbls., 5 or less lb. .3495- .3543
tech., 22%, bbls., r.l., works 100 lbs. 5.60 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs 10.95 - —
l.c.l., bbls., works 100 lbs.11.55 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 - .72

Laurent's, bbls lb. .60 - .67

Lauric, dist., 85-90%, dms lb. .30 - .30¾

Linseed oil, reg. dist., dms. lb. .2170- .2220
water-white, dms lb. .2470- .2529

Maleic, powd., dms lb 30 .31
Anhydride (see M).

Malic, dms lb. .45 - —

Mandelic, NF, dms., 1,000-lb lots lb. 1.85 - —
smaller lots lb 1.90 2.10

Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½ - .80

Mixed, tanks, nitric unit lb. .05 06
sulphuric unit lb. .0085 009

Molybdic, dms., 85%-92%, works lb. .88 - —

Monochloroacetic, purified, flake, 99%, dms lb 22½ 23½
tech., flake, 96-97%, bbls lb .18 - .19

Muriatic, 18°, cbys., c.l., works. 100 lbs. 1.90 - 2.15
l.c.l., works 100 lbs. 2.20 - 2.25
tanks, works ton.20.00 - —
20°, cbys., c.l. works 100 lbs. 2.15 - 2.63
l.c.l., works 100 lbs. 2.45 - 3.75
tanks, works ton.22.00 - —
22°, cbys., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton.27.00 - —
CP, USP, consumers, cbys., extra c.l., frt. equald lb. .07¾ - —
l.c.l., same basis lb. 09¼ - 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ - —
t.c.l., same basis lb. .14¼ - .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.

Myristic, dist., dms lb. .30½ - —

Naphthenic 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol (1)-5-sulphonic (see Acid L)

Naphthol(1)-5-sulpuonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(2)-7-Sulponic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias)

Neville and Winther's, dms lb. .97 - —

Nicotinic, USP, dms., frt adjusted kilo. 8.00 8.30

Nicotinic amide (see Nicotinamide).

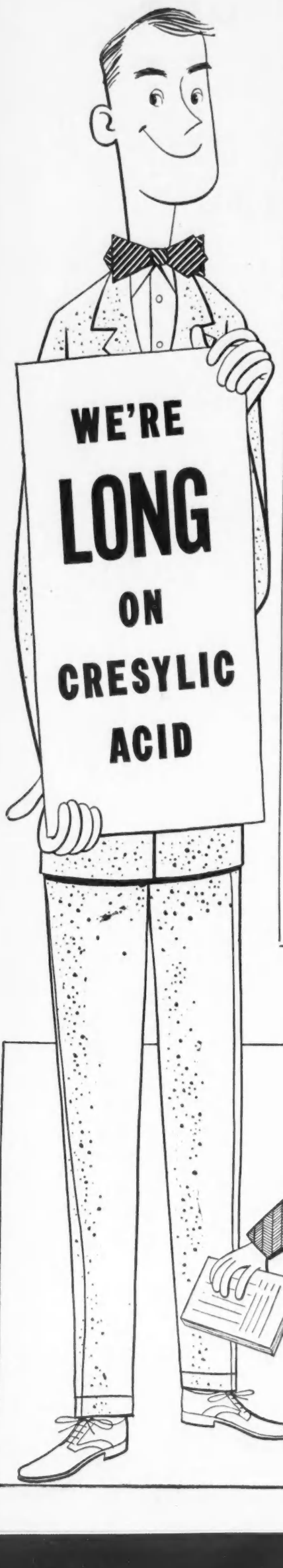
Nitric 38° cbys., c.l., E. works 100 lbs. 5.00 —
t.c.l., E. works 100 lbs 5.40 6.10
38° cbys. c.l., E works 100 lbs. 5.50 —
t.c.l., E. works 100 lbs. 5.90 6.60
40° cbys. c.l., E works 100 lbs 6.00 6.50
t.c.l., E works 100 lbs. 6.40 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 7.00
t.c.l., E works 100 lbs. 6.90 7.60
CP, NF, consumers, cbys., extra c.l., frt. equald lb. .11½ —
l.c.l., same basis lb. .13 .13¼
6 pint bottles extra, cs., c.l., frt equald lb. .15½ —
t.c.l., same basis lb. .17 .19

Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations
Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral.
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	divd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
Be.	Baume	ffa.	free fatty acid	powd.	powdered
bgs.	bags	ffc.	free from chlorine	precip.	precipitated
bbls.	barrels			prod.	producer
bls.	bales	fib.	fiber	pt.	point
bots.	bottles	f.o.b.	free on board	pulv.	pulverized
b.p.	boiling point	F.P.A.	free of prussic acid	purif.	purified
b.p.l.	bone phosphate of lime			redist.	redistilled
		frt.	freight	refd.	refined
b.r.	boiling range	fus.	fused	refy.	refinery
bxs.	boxes			reg	regular
C	centigrade	gal.	gallon	resub.	resublimed
cbys.	carboys	gran.	granular	ret.	returnable
CD	completely denatured	grd.	ground	SD	specially denatured
		i.&a.	iron and aluminum		
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d	single distilled
				S E.	southeast
cks.	casks	imp.	imported	secs.	seconds
c.l.	car lots	incl.	included	s.g	specific gravity
cns.	cans	indust.	industrial	ship't	shipment
col	color			solut.	solution
com'l	commercial	kgs.	kegs	s.u	standard unit
conc.	concentrated	lacq.	lacquer	synth.	synthetic
CP	chemically pure	lb.	pound	tech.	technical
cps.	centipoises	l.c.l.	less than car lots	USP	U S Pharmacopoeia
cryst.	crystal	liq.	liquid		
cs.	cases	m.a.p.	mixed aniline point	vis.	viscosity
ctns.	cartons			VM&P	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W	west
denat.	denatured	N.	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.



Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms. ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15¼
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms. 100 lbs. or more, works lb. 3.75 - —
smaller lots, works lb 3.85 - 4.00
technical, dms lb. 1.74 - —
Para-aminosalicylic, dms 1,000-lb. lots or more lb 5.50 - —
smaller lots lb. 5.55 - 6.50
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Peanut oil, s.d., dms lb. .12¾- .13¾
Perchloric, 60% cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l. works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l lb .10½- —
For shipments in cbys., add handling charges.
Picramic, ngs lb. .65 - .70
Picric, NF, 300 lb. bbls lb. .50 - —
smaller lots, dms lb. .51 - .57
tech., bbls. lb. .32 - .33
Propionic, natural, dms., works, lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., obls lb. No prices.
NF, cryst., dms lb 2.95 - 3.18
resub., dms lb. 3.30 - 3.45
Pyroligneous, dms. incl., l.c.l. ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb 2.97 - 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l lb. .31 - —
l.c.l. bl. .38 - —
dyestuffs grade, bbls lb. .32 - —
USP, cryst., bbls lb. .42 - —
powder, bbls. lb. .47 - —
Sebacic, purified, dms., c.l., works, lb. .47 - —
l.c.l. works lb. .49 - .53
Soybean oil, single, dist., dms lb. .15¾- .17
double dist., dms lb. .16¾- .18
Stearic, double pressed, bgs lb. .16½- .17¾
single-pressed, bgs lb. .15½- .16¾
triple-pressed, bgs lb. .18¾- .20
Succinic, purified, cryst., bbls., works lb. .75 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.y., works lb. .17 - —
l.c.l., works lb. .19 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.65 - —
l.c.l., works 100 lbs. 1.95 - 2.50
tanks, works ton.14.40 -14.50
66° Be, cbys., c.l., works 100 lbs. 1.90 - —
l.c.l., works 100 lbs. 2.30 - 2.75
tanks, works ton.17.75 -18.00
98%, tanks, works ton.18.80 -19.00
Sulphuric, CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼ .09¾
5 pt. bottles extra, cs., c.l., works, frt equald lb. .11¼ —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, works ton.19.85 -20.00
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .13 - .14¼
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb .80 - .85
75-76% dms lb .86 - .90
fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb 1.46 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.36 - 1.50

Acid, tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't lb. .29½- —
smaller lots lb. .30 - —
100-lb. dms lb. .31 - —
small dms lb. .33 - .35
imported, kgs lb. .27 - .29
Thioglycolic, refined, bbls., cbys., basis 100% lb 1.60 - 1.80
tech., bbls. cbys. basis 100% lb 1.40 - —
Tobias, bbls lb. .69 - —
Trichloroacetic, bots lb 2.00 2.50
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Tungstic, tech., kgs., works lb 2.20 - 2.40
Undecylenic, dms lb. 1.00 - 1.25
Aconi leaves, bls lb .55 .60
Root, bls lb. .48 - .52
Aconitine, amorph., mild, nots oz 27.50 -32.50
cryst., potent, bots oz 78.00 -85.00
Acrolein, dms. works lb. .50 —
Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls lb 1.28 - 1.30
powdered, 30 mesh, lib. dms lb 1.65 - —
Agaric, white, bls lb. 1.60 - 1.75
Agrimony, herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms. works, lb 8.50 -11.00
Albumen (eggs), edible, flake, bbls. lb. 1.30 - 1.32
powd., bbls lb. 1.33 - 1.35
tech., cryst., bbls lb. .77 - .79
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .70
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, as pentane dms. c.l. frt. alld. E. Miss lb. .16¾- —
l.c.l., frt. alld E. of Miss lb. .17¾- —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 - —
128-132°C, dms. l.c.l. dlvd lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, NF, dms lb. .58½- .89
tech., dms. works, frt. equald, lb. .45 - .50
Butyl, fermentation, normal dms., c.l., frt. alld lb. .13¾- .14¾
l.c.l., frt. alld lb. .14¾- .15¾
tanks, frt. alld lb. .12 - .13
synthetic, normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l., frt. alld lb. .15¾- —
tanks, frt. alld lb. .13 - —
secondary, dms., c.l., frt. alld. lb. .10¾- .11¾
l.c.l., dlvd., frt. alld lb. .11½- .12¼
tanks, dlvd., frt. alld lb. .09 - .10
tertiary, dms., c.l., frt. alld, lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld .12 - —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 - —
Cetyl, dom., CP., tiber ctns., 1,000 lbs lb 1.50 - —
smaller lots lb 1.55 - —
Cinnamic, bots lb. 2.75 - 3.20
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .54½- .60¼
l.c.l., dlvd. E. of Miss. R. gal. .58½- .69¼
tanks, dlvd. E. of Miss. R. gal. .42½- .48¼
Tankcar sales require written authorization by Alocohol Tax Unit.

Alcohol, denatured, proprietary solvent, dms., c.l., dlvd. E. of Miss. R. gal. .54½- .60¼
l.c.l., same basis gal. .58½- .69¼
tanks, same basis gal. .42½- .48¼
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .53 - .59
l.c.l., same basis gal. .57 - .68
tanks, same basis gal. .41 - .47
SD2B, dms., c.l., E. of Miss. R. gal. .52 - .58
l.c.l., same basis gal. .56 - .67
tanks, same basis gal. .40 - .46
SD3A, dms., c.l., E. of Miss. R. gal. .51½- —
l.c.l., same basis gal. .55½- .60¼
tanks, same basis gal. .39½- —
SD23A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62¼
tanks, same basis gal. .41½- —
SD23H, dms., c.l., E. of Miss. R. gal. .54 - —
l.c.l., same basis gal. .58 - .63
tanks, same basis gal. .42 - —
SD27A, dms., c.l., E. of Miss. R. gal. .84 - —
l.c.l., same basis gal. .88 - .93
tanks, same basis gal. .72 - —
SD30, dms, c.l., E. of Miss. R. gal. .51 - —
l.c.l., same basis gal. .55 - .60
tanks, same basis gal. .39 - —
SD35A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62¼
tanks, same basis gal. .41½- —
SD40, dms., c.l., E. of Miss. R. gal. .52 - .53
l.c.l., same basis gal. .56 - .62
tanks, same basis gal. .40 - .41
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l. dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal.17.61 -17.67
l.c.l., same basis gal.17.65 -17.76
tanks, same basis gal.17.49 -17.55
tax free, dms., c.l., dlvd. E. Miss. R. gal. .51 - .57
l.c.l., same basis gal. .55 - .66
tanks, same basis lb. .39 - .45
absolute, 200 pf., tax paid, dms., c.l., same basis gal.18.56 - —
l.c.l., same basis gal.18.60 -18.65
tanks, same basis gal.18.44 - —
Ethylbutyl, dms, c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27¼- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .13¾- —
l.c.l., works lb. .14¾- —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd gal. .44 - —
l.c.l., dlvd gal. .49 - —
tanks, dlvd gal. .32 - —
95%, dms. incl., c.l., dlvd gal. .45½- —
l.c.l., dlvd gal. .50½- —
tanks, dlvd gal. .33½- —
99%, dms., incl., c.l., dlvd gal. .47 - —
l.c.l., dlvd gal. .52 - —
tanks, dlvd gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Nonyl (see Trimethylhexanol).
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.30 - 1.60

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DISINFECTANTS, PLASTICS, and TEXTILE CHEMICALS

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CRESYLIC ACID • JAPAN AND CARNAUBA WAX REPLACEMENTS
CANDELILLA WAX • REFINED TALL OIL

Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls...lb. .68 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09¾- —
works ..... lb. .08¼- —
l.c.l., dlvd..... lb. .10½- —
works ..... lb. .09 - —
tanks, dlvd..... lb. .08 - —
works ..... lb. .06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y...lb. .47 - —
dms., Niagara Falls, N. Y. lb. .40½- —
l.c.l., Waverly, N. Y. lb. .42½- —
tanks, Niagara Falls, N. Y lb. .38 - —
industrial grade, dms., c.l., Niagara Falls, N. Y. lb. .29 - —
l.c.l., Waverly, N. Y. lb. .30½- —
tanks, Niagara Falls, N. Y. lb. .26½- —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld..lb. 1.06 - —
l.c.l., works, frt. alld.....lb. 1.20 - —
Aletris root, bgs. .....lb. 1.50 - 1.60
Algin, bbls., fib. dms.....lb. .76 - 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs .....lb. .33 - .40
Allethrin, 100%, dms., 1 to 10 dm. lots lb.45.00 - —
smaller lots, works lb.50.00 -55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 - —
10%, dms., works... gal.37.75 - —
2%, dms., works ... gal. 7.75 - —
Allspice, Jamaica (see Pimento)
Mexican, bgs..... lb. .20 - .20½
Allyl bromide cnyd. 5,000 lbs., works. lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd.....lb. .16¾- —
l.c.l., dlvd..... lb. .17½- —
tanks, dlvd ... lb. .15 - —
Starch, solid, dms., works....lb. .56 - —
solution, 40%, dms., works...lb. .279 - .297
50%, dms., works .....lb. .446 - —
Aloe, Cape, cs.....lb. .22 - .23
Curacao, kgs. .....lb. .35 - .36
Socotrine, kgs .....lb. .35 - .36
Aloin, USP, bbls., dms., kgs....lb. 3.50 - —
Alphanaphthol, bbls .....lb. .77 - —
Alphanaphthylamine, bbls.....lb. .45 - —
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls .....lb. .34 - .37
Alphapicoline ret dms. c.l. works, frt. equald lb. .29½- —
l.c.l., works, frt equald lb. .30 - —
Alphapinene tanks South works gal. No prices.
Alphaterpineol dms. l.c.l. dlvd E. lb. 17 - —
Alphatocopherol, bots .... kilo.350.00 - —
Acetate, bots .... kilo.350.00 - —
Althea root NF peeled bls lb .30 - .40
Alum, ammonium, gran., bbls., works 100 lbs. 3.30 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls lb. .20 - .21
hydrous, bbls. lb. .07¾- .08
Potassium, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls. works ...100 lbs 4.45 - —
USP, burnt, bbls ..... lb. .20 - .21
hydrous, bbls ..... lb. .07¾- .08
Potash-chrome, dms .... lb. 17 - —
Soda, bbls., c.l., works.....100 lbs. 3.25 - —
l.c.l., dlvd .... 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs. c.l., works lb. .03½- .03
crystalline (see Aluminum oxide)
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls. l.c.l., works lb. .10 - —
Chloride, anhyd. com'l, dms., c.l., works lb. .11 - —
l.c.l., works .. lb. .11½- —
cryst., com'l, dms., c.l. works.lb. .0650- —
l.c.l., works lb. .0690- —
NF, gran., dms. works lb. .27 - .28
solution, 32°, cbys., c.l., works.lb. .03¼- —
l.c.l., works lb. .04 - —
Fluoride, tech anhyd. bbls., c.l., works lb. .10 - —
l.c.l., works lb. .11 - .13
Formate, basic solution, cbys., c.l lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy bgs., c.l., frt. equald ton.50.00 -54.00
l.c.l., works ton.72.00 -86.00
light, bgs., dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib dms., works lb. .21¼- —
contract, works lb. .20¼- —
8-9½% Al_2O_3, fib dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib dms., works. lb. .79½- —
col. act, works lb. 76½- —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½- —
Linoleate, solid, dms., frt alld lb. .39½
Metal, 99%+, ingots, 10,000 lbs. lb. .17½- .18½
pigs, 10,000 lbs..... lb. .16½- .17½
Naphthenate, liquid, 1.7%, frt. alld lb. .24½- .25
Oleate, dms precip lb. .35¼- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt alld lb. .12½- —
smaller lots frt alld lb. .13 - .19
280-400 mesh dms. frt. alld lb .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms frt alld lb. .35 - .37
kgs. frt alld lb. .34 - —
600 mesh, dms. frt. alld. lb. .51 - .53
kgs frt alld lb 50 - —
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .56 - .86
unclassified dms frt alld. lb. .16 - .17
kgs., frt. alld lb 15 - —
Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb .39¼- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp. dms lb. .48½- —
unpolished, standard, dms lb. .44½- —
varnish standard dms lb 49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c per lb for 100-lb dm., 1½c per lb for 50-lb dm 3c per lb for 10-lb. can, and 5c to 12c per lb for smaller containers. Deduct 1c per lb for single shipment of 400 to 1,499 lbs. 2c for 1,500 to 4,999 lbs., 3c for 5,000 to 29,999 lbs., and 4c for 30,000 lbs or more. Where destination is within the continental U S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms. frt. alld lb. .24 - —

Aluminum stearate, dibasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
Sulphate, com'l, bulk, c.l., works, 100 lbs. 1.50 - 1.65
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 —
l.c.l., works 100 lbs. 3.15 —
NF, gran., dms., works..... lb. .27 .29
powd., dms., works..... lb. .32 .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots.....oz. 8.00 -10.00
Aminoazotoluene bbls.....lb. 1.03 - —
Aminomethylpropanol, cns., dms., works lb. .63 - .69
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Aminophylline, USP 100-lb. dms lb. 5.33 - —
Aminopyrine, USP bots., dms lb. 6.00 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -75.00
pure, cyls., extra, zone 1... lb. .17 - .17½
2 ..... lb. .19 - .19½
3 ..... lb. .21 - .21½
4 ..... lb. .16 - .19½
refrigeration, tanks, works ton.76.50 -77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 —
l.c.l., works 100 lbs 3.50 —
tanks, works, anhyd. basis ton.80.00 -81.00
Ammoniac gum (see Gum ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 6.53 - —
l.c.l., same basis 100 lbs 6.95 - —
white, gran. bgs. c.l., works 100 lbs. 4.60 - —
l.c.l., works ..... 100 lbs. 6.25 - —

Ammoniacal liquor, tankcars, works, anhyd basis ton.75.00 -80.00
Ammonium acetate, purified, dms lb. .39 .40
reagent, jars lb. .61 .63
Benzoate, USP dms., kgs., 4,000 lbs., frt. alld lb. .80 —
smaller lots, frt. alld lb .81 1.08
Biborate, bbls., c.l., works ton.302.00 - —
ton lots, works ton.355.50 - —
less ton lots, works ton.360.50 - —
Bicarbonate, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Bichromate, bbls., works.....lb. .31 - .36
Bifluoride dms. dlvd ... lb 18 .18½
Bromide, gran., NF, bbls.....lb. .38 - .39
dms. .....lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .20 - .21
Chloride, tech (see Ammoniac, sal) USP, gran., bbls., dms lb .18 .19
Citrate, dibasic, bbls .....lb. .75 —
dms. ..... lb .80 .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms. lb 2.40 —
Iodide, NF, jars.....lb. 3.81 - 3.91
Linoleate, plastic, 80%, dms., works lb 40½- —
kgs., works ..... lb. 42½- —
25%, dms., frt. alld..... lb. .21½- —
tech., bbls., works ..... lb. .37 - —
dms., works ..... lb. .39 - —
Molybdate, chemical grade, bbls., kgs lb. .85 - —
metal grade, kgs..... lb. .90 - —
tech. grade, bbls., kgs..... lb. .80 - —

Ammonia nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point .ton.57.50 - —
dom. ogs. western works ton 58.00 - —
Nitrate-dolomite, 20.5% N, bgs. Hopewell, Va ton 46.00 - —
Oleate, dms., precip lb 23¼- —
Oxalate, fine gran., dms lb. .25 .31
Pentaborate, gran. bbls., c.l. works ton.312.00 —
ton lots, works ton.265.50 —
less ton lots works ton.270.50 —
Ammonium pentaborate powder, $10 per ton higher
Perchlorate, kgs., works lb 50 75
Persulphate kgs lb 25½ .28¼
Phosphate, com'l, bgs., c.l., works, lb. .08 - —
l.c.l., works lb 08½- —
dibasic, NF V, bbls., dms lb 40 —
tech., bgs., c.l., works lb 08 —
l.c.l., works lb 08½ —
Salicylate, NF, dms., kgs.....lb. 1.25 - 1.35
Silicofluoride, dms. works lb 12 .13
Sulphamate, bbls., dms. works lb 18 .20
Sulphate, coke-oven, bulk, producing ovens ton.32.00 -37.00
converters' bulk, works ton.37.50 -38.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l. works. lb 10½- —
l.c.l., works lb 15½- —
tanks, dlvd. or frt. alld lb 09 —
Sulphocyanide, tech (see Ammonium thiocyanate)
Thiocyanate tech., bbls., c.l., works lb .15 —
l.c.l., works lb .18 .19

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Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys lb. 1.40 - 1.95
highly purified, same basis lb. 1.70 - 2.25
Thiosulphate, cryst., jars works lb. .32 - —
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms... lb 6.50 - —
monobasic, dms lb 6.00 - —
Sulphate, dextro, dms lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .19¾ - —
l.c.l., dlvd lb. .20¾ - —
tanks, dlvd lb. .18 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb 1.75 - 1.83
Salicylate, cns., dms lb. .76 - .81
Anethol, NF, cns., dms lb. .95 - 1.25
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .45 - .50
Angostura bark, bls lb. .44 .49
Aniline oil, dms., c.l., works, frt. alld lb. .17 - .18
l.c.l., works, frt. alld lb. .16 - .17
tanks, works, frt. alld lb. .15 - .16
Salt, dms., works lb. .26 - .28

Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .25 - .25½
Cyprus, ogs lb .20 .20½
Czech, bgs lb. .14 - .14¼
Mexican, bgs lb. .15½- .16
Syrian, bgs lb. .15 Nom.
Turkish, bgs lb. .13¾- .14
Anisic aldehyde, bots., dmr lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5% bbls lb .83 - —
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .24½- —
cases, c.l., mines lb. 25 - —
Oxide, bgs., c.l., frt. alld lb. .21¾- —
l.c.l., frt. alld lb. .22¾- —
Trichloride, pails, works lb. .29 - .31
solution, cbys. lb .29 30
Salt, 65%, bgs., c.l., dlvd E. of Miss lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .20 - .23
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb 2.35 - 2.45
Apomorphine, USP, bots. oz.23.20 -23.70
Archil extract, bbls lb. No stocks.
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo, kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. .45 - .50
root, bls. lb 1.45 —
Arrowroot, powd., bgs lb. .14 - .16

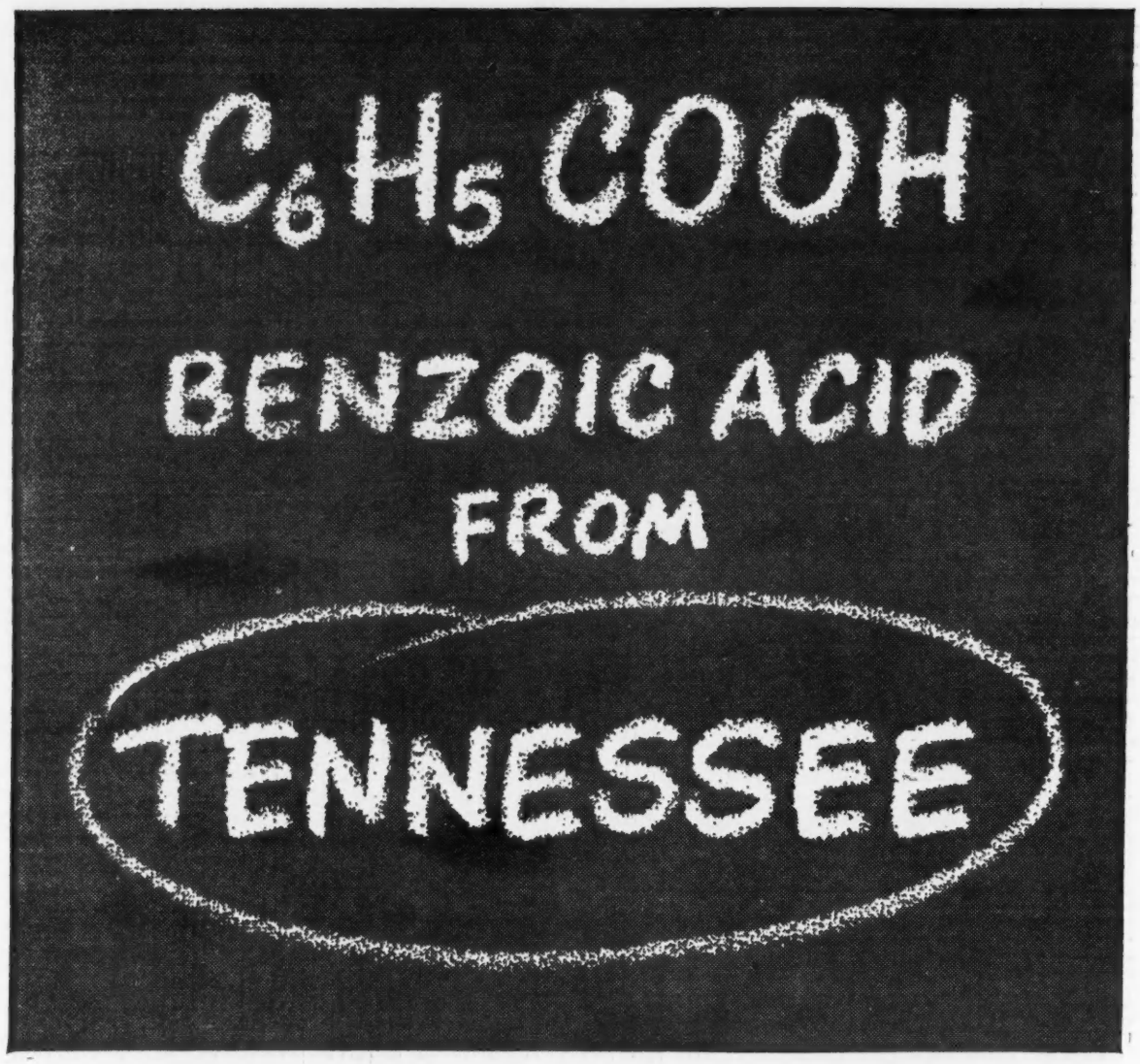
Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - .42
White, powd., bbls., c.l., dlvd lb. .05½- —
l.c.l., dlvd lb. .06¼- .06¾
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons) mines ton.313.00 - —
3R, c.l. (20 tons), mines ton.267.00 - —
3T, c.l. (20 tons), mines ton.249.50 - —
3Z, c.l. (20 tons), mines ton.231.00 - —
4K, c.l. (20 tons), mines ton.124.00 - —
4M, c.l. (20 tons), mines ton.124.00 - —
4T, c.l. (20 tons), mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton.111.50 - —
5D, c.l. (20 tons), mines ton.88.00 - —
5K, c.l. (20 tons), mines ton.88.00 - —
5M, c.l. (20 tons), mines ton.84.00 - —
5R, c.l. (20 tons), mines ton 78.50 -79.00
6D, c.l. (30 tons), mines ton 58.00 -59.00
7D, c.l. 30 tons), mines ton 52.00 -52.50
7F, c.l. (30 tons), mines ton 49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton.29.50 -30.00
7T, c.l. (30 tons), mines ton.28.00 -28.50
7RF, c.l. (30 tons), mines ton.30.50 -31.00
7TF, c.l (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.

Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10

Asphaltum, gilsonite, brilliant black, selects, 270°-295° F, fusing point, bgs., f.o.b. Colo. mines ton.34.00 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton.31.00 - —
fet, bgs., ton lots, gross weight, Colo. mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. 05¾- .15
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton.22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton.21.00 - —
Atropine, USP, bots oz.10.50 -11.50
Sulphate, USP, bots oz. 6.25 - 7.00

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried, bgs. lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .40 - .41
tree bark, bgs lb. .35 - .36
Barbital, USP, cns. lb 4.50 - —
Sodium, USP, dms lb. 4.77 - —
Barium carbonate, precip., bgs., 10 tons and up, works ton.80.00 -85.00
smaller lots, works ton.90.00 -95.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals, bgs., c.l., works. ton.100.00 - —
l.c.l., works ton.110.00 - —
Chromate, bgs., frt equald lb .31½- .32
Dioxide, dms., works lb. .12 - —
Hydrate, crystals, bgs lb. .09 - .09½
Hydroxide, anhyd., bbls.,works lb. .19 - —
Iodide, bots. lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l., works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
c.c.l., works lb. .11½ —
Peroxide (see Dioxide).
Stearate, ctns., c.l lb. .34 - —
smaller lots lb .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe)
X-ray, bbls. lb. .13 - .13¼
Sulphide, dms., c.l., works ton 55.00 - —
l.c.l., works ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l., works lb. .21 - —
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
l.c.l., works. ton.100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.35.65 - —
l.c.l., same basis ton.36.85 - —
ex whse., N. Y. ton.49.65 - —
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines ton.20.00 - —
Bay leaves (see Laurel leaves)
Belladonna leaf, bls lb. .43 - .46
Root, bls. lb. .40 - .41
Bauxite, bulk, mines ton 8.50 -10.00
Bentonite, 200 mesh, bgs., works.ton.12.00 - —
Benzaldehyde, NF, dms lb. .68 - —
tech., cbys., dms lb. .45 - —
Benzal chloride, cbys., works lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .01¾ —
l.c.l., works, unit lb. .02 - .02½
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - —
l.c.l., dlvd., gamma unit lb. .02½- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .02½- —
l.c.l., dlvd., gamma unit lb. .03 - —
Benzidine base, bbls lb. 1.02 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md gal. .27 - —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala.; Chicago Dist.; Cleveland Dist.; Lone Star, Tex.; Geneva, Utah; Johnstown, Pa.; Lorain, Ohio; Minequa, Colo.; Philadelphia, Pa.; Fittsburgh Dist.; St. Louis, Mo.; Syracuse, N. Y.; Terre Haute, Ind.; Woodward, Ala.; Wyandotte, Mich.; Youngstown, Ohio gal. .25 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19¼
l.c.l., same basis lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns lb. 3.00 - 4.00
Formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.80 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works. lb. .21 - .21¼
l.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .77 - —
tech., bbls., c.l., works lb. .30½- —
l.c.l., works lb. .32½- —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls. lb .45 - .50
Biotin, cryst. gram.10.00 - —
Bismuth chloride, jars lb. 3.97 - —
Citrate, USP VIII, jars lb. 3.29 - —
Hydroxide, dms lb. 4.20 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.87 - —
Oxychloride, dms. lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.02 - —
Phenolsulphonate, fib. dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, fib. dms lb. 2.75 - —
Subiodide, fib. dms lb. 4.92 - —
Subnitrate, NF, dms lb. 2.30 - —
Subsalicylate, USP, dms lb. 3.20 - —



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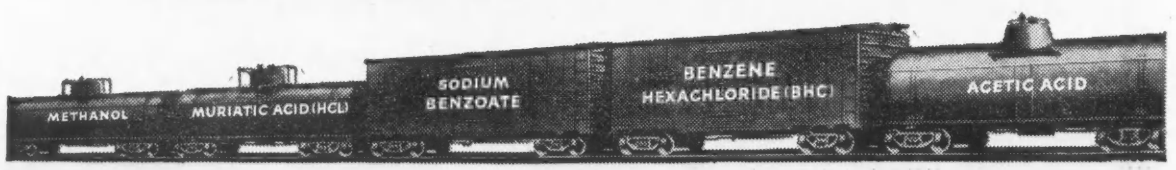
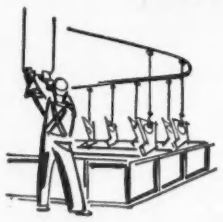


Bismuth-ammonium citrate, USP, powd., dms lb. 3.82 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point lb. .17 .19
Bone, bgs., bbls., l.c.l. dlvd lb .14½- .22½
Carload price ½c per lb. less. Deliveries to the Pacific Coast ex dock or whse., 1½c per lb higher
Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690- —
l.c.l., dlvd or whse lb. .117 .1175
uncompressed, regular, bgs., c.l., works lb. .0632- —
bgs. ctns. l.c.l. dlvd or whse lb. 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l. whse lb .09½- —
high modulus, bgs. c.l. works. lb. .05 - —
ctns., l.c.l., whse lb. .09 — —
semi-reinforcing bgs., c.l., works lb. .03½- —
ctns., l.c.l. whse lb. .07½- —
very fine, bgs. c.l. works lb 0740- —
l.c.l., dlvd., or whse lb. .12 - —
Charcoal (see C).
Graphite (see G)
Iron oxide synthetic bgs., c.l., works lb. .11 - —
l.c.l., works lb. .11¼- —
Lamp, bgs., c.l., works lb. .07 .30
Mineral, bgs., works lb. 0160- 0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls lb. .30 - .32
root, bls lb. .10 - .12
Black dyes (see Dyes)
Black haw, root bark, bls lb. .65 - .75
Tree bark, bls lb. .28 .30
Black Indian hemp root, bls. lb 45 .50
Blanc fixe, dry by-product, bgs., c.l., works ton.85.00 - —
l.c.l., works ton.95.00 - —
direct process, bgs., c.l., works ton.85.00 - —
l.c.l., works ton.90.00 - —
N. Y. whse ton.113.00 - —
bbls., c.l., works ton.90.00 - —
l.c.l., works ton.95.00 - —
N. Y. whse ton. 118.00 - —
pulp, 66⅔% bbls. c.l., works, ton.69.00 - —
l.c.l., same basis ton.75.00 - —
Bleaching powder, dms. c.l., works, 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 5.00 - —
Blood, dried, 16-16½% ammo., bgs, unit-ton. 8.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.50 - —
soluble, bgs., cs lb. .15 - .16
l.c.l. lb. .16 - .18
Bloodroot, bls lb. .40 - .45
Blue, alkali, dry, bbls., dlvd. N. of Tenn and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.05 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .37 - .42
Cobalt, genuine, bbls., same basis. lb. 4.90 - —
imitation (see Blue ultramarine)
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 3.85
80%, bbls., same basis lb. 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda)
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .37 - .42
Peacock, fugitive, 100% color strength, same basis lb .60 .79
Permanent toner, green shade, molybdic, bbls., same basis lb 3.75 - —
tungstic lb 4.00 - —
Potash, C.P. bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .37 - .42
soluble, bbls., same basis lb. .37 - .42
Soda, C.P., bronze, bbls. same basis lb .39 —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 .29
Victoria toner, molybdic, bbls lb 3.75 —
Tungstic, bbls lb 3.75 —
Violet toner, molybdic, bbls., same basis lb 1.24 —
Tungstic, kgs., same basis lb 2.60 2.70
Blue dry colors, dlvd prices ½c higher Ala, Fla., Ga., La (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .45 .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .09 .12
Bone, raw, bulk, Chicago ton.75.00 - —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.62.50 - —
Chicago, works ton.62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.60.00 - —
Chicago, works ton.60.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs. E. works. ton.62.50 - —
Chicago, works ton.62.50 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves bls lb. .15 - .16
Borage flowers bls lb. .40 - .45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 - —
ton lots, ex whse N. Y. or Chi ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ton.90.50 - —
ton lots, ex whse N. Y. or Chi ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ton.64.00 - —
crystals, 99½% bgs., c.l., works. ton.61.25 - —
ton lots, ex whse N. Y. or Chi ton.100.50 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ton.81.25 - —
ton lots, ex whse N. Y. or Chi ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works ton.57.25 - —
Borax, tech., granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse N. Y. or Chi ton 80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ton.55.25 - —
ton lots, ex whse N. Y. or Chi ton.100.00 - —
less ton lots same basis, ton.105.00 - —
bulk c.l. works ton.31.25 - —
powder, bgs., c.l., works ton.40.25 - —
ton lots, ex whse N. Y. or Chi ton.85.00 - —
less ton lots same basis, ton.90.00 - —
bbls., c.l., works ton.60.25 - —
ton lots, ex whse N. Y. or Chi ton.105.00 - —
less ton lots same basis, ton.110.00 - —
bulk c.l. works ton.36.25 - —
Borax packed in kgs is $40 per ton higher than borax packed in paper bgs USP borax $15 per ton higher than tech
Bordeaux mixture, bgs., c.l. works, frt. alld. or nearest whse. point lb. .15 .21
l.c.l., same basis lb. .16 .23
Borneol, cns. lb. 2.25 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic)
Brimstone (see Sulphur)
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .23 - —
1,000 lbs., same basis lb. .25 - —
single pkgs., same basis lb. .30 - —
dms., lead-lined, dlvd lb. .23 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.35 - 5.75
Bronze powder aluminum (see A).
Gold, litho., cns., dms., works, lb. .50 - .60
moulding, cns., dms., works, lb. .80 - 1.00
printing ink, cns., dms., works lb .95 1.10
radiator cans dms works lb. .60 .65
Broomtop bls lb. 25 .28
Brown iron oxide, synth., bgs., l.c.l., works lb. .12¼- —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06½
l.c.l., bgs., works lb. .05½- .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼- .08¼
l.c.l., works lb. .06½- .08½
raw, American bgs., same basis. lb. .04¼- .06½
Turkey type, bgs., same basis. lb. .06½- .06¾
Vandyke, bbls., works lb. .11 - —
Brucine, cns., 100 ozs oz. .35 - —
Sulphate, NF, cns., 100 ozs oz. .30 - —
Bryonia root, bls lb. .29 .35
Buchu leaves, bls lb. .45 - .50
Buckthorn bark, bls lb. .12 - .14
cut and sifted, bls lb. .18 - .20
Berries, bgs lb. .80 .90
Burdock, root, bls lb 20 .26
Butadiene, cyls. refinery lb. .19 - —
tanks, same basis lb. .10½- —
Butane, indust., tanks, group 3 gal .03 —
Butternut bark, bls lb 22 .25
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .13¾- .14¼
l.c.l., same basis lb. .14¾- .15¼
tanks, same basis lb. .12 - .13
synthetic, normal, dms., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¾- —
tanks, same basis lb. .13 - —
secondary, dms., c.l., same basis lb. .11¼- —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .09½- —
Alcohol (see Alcohol butyl)
Aldehyde dms., c.l. works lb 17½- —
l.c.l., works lb. .18 - —
tanks, works lb 16 —
Chloride, dms., c.l., works lb. .41½ —
l.c.l., works lb. .42 - —
Ether (see Ether, butyl).
Lactate dms. c.l. frt. alld. E of Rockies lb 42½- —
l.c.l. same basis lb 43½- —
tanks, same basis lb. 41 - —
Laurate, dms. works lb 42 —
Methacrylate, normal, dms., less than truckload, works lb. .60 - —
Oleate, refd. dms l.c.l. works lb 52 —
Phenylacetate dms lb 2.00 2.25
Phthalate (see Dibutyl phthalate)
Stearate dms. c.l. frt. alld. E of Rockies lb. .27 - —
l.c.l., same basis lb 28½- —
Butylamine, dms., c.l., frt. alld. lb. .51½- —
l.c.l., same basis lb. .52½- —
tanks, same basis lb. .49¾- —
Butyric ether (see Ethyl butyrate)

Dow Serves American Industry

HYDROCHLORIC ACID

Hydrochloric acid is widely used for treatment of oil wells to open rock formations, and for descaling of industrial boilers.



Hydrochloric acid serves industry in the pickling and cleaning of metal products.

It is also used as an intermediate in the manufacture of ethyl chloride, basic ingredient for the manufacture of anti-knock fluid.

Recently Dow added to its fleet four rubber lined barges to transport acid from its Freeport plant up the Mississippi and Ohio Rivers to Cincinnati. Look to Dow to satisfy your acid needs. For further information and technical assistance call the sales office nearest you or write us at Midland.

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DOW
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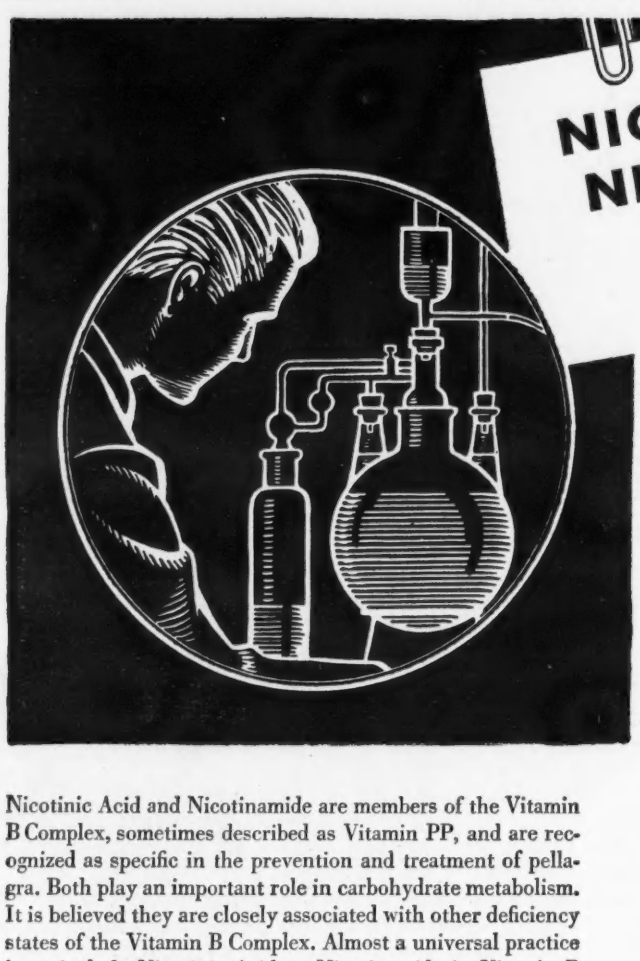
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Cacao Butter—Cellulose Acetate

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.15 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs or more lb. 4.75 - —
anhydrous, dms., 100 lbs. or more lb 5.00 - —
Synthetic, USP cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms. 100 lbs. or more lb 4.00 - —
Citrated, USP dms. 100 lbs. or more lb 2.60 —
Hydrobromide, bots lb 6.70 Nom.
Calabar beans, bgs. futures lb. 65 68
Calamine, USP dms lb. .27 .29
Calamus root, dom., bgs. lb. .27 .30
imported, bleached, bls. lb. 70 Nom.
peeled, bls lb. .30 .31
Calciferol, cryst., vials, 250 grams or more, works gram. 1 90 - —
25 to 249 grams, works gram 2.10 - —
1 to 24 grams, works gram 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit. .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .11 - —
l.c.l., same basis lb. .12 - .13
Bromide, NF, jars lb. .80 - .90
Carbide, standard generator size, dms., c.l., dlvd ton.121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.23.50 - —
l.c.l., same basis ton.52.00 -82.00
liquor, works, basis 40%, tank-cars ton. 9.75 - —
pellets, bgs., c.l., works ton.31.00 - —
solid, 73-75% dms., c.l., works, same basis ton.22.00 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls lb. .30 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies lb. .30 - .50
Gluconate, AA, bbls., dms. lb. 65 - 72
USP, bbls., dms lb. .58 - .65
Glycerophosphate, NF, fib., dms. lb. 1.80 - 1.95
Hydride, dms., works lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm.24.00 -28.50
cns., cased (45 lbs.) same basis. cs.19.75 -21.50
Hypophosphite, ton lots and less, dms lb. .80 - .83
Iodide, jars lb. 4.10 - 4.12
Calcium lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 - .44
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .23¾- —
Nitrate, tech., works lb. .07 - .09
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Phenolsulphonate, dms lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. 100 lbs 7.10 7.45
feed grade, bgs., 15 tons, wks. ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. 06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .28 - —
Resinate, precip., dms., frt. alld., works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1 75
Calendula flowers, bls lb. .45 - .60
Calomel, USP, fine powd., dms. lb 1.97 - 1.98
reg. powd., dms lb 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs. lb. 2.75 - 2.85
natural, powd., 100-lb. lots lb. .45 - .55
tablets, 1-oz., ½-oz., cs lb. .85 - .93
Synthetic, tech., bbls., 2,000 lbs. or more, whse. lb. .38 - —
10 bbls. (1,500 lbs.) lb. .40 - —
smaller lots lb. .41 - .51
USP, gran., powd., bbls., 2,000-lb. lots lb. .45 - —
1,000-lb. lots lb. .46 - —
smaller lots lb. .47 - —
tablets, tins, 2,000-lb. lots. lb. .73 - —
1,000-lb. lots lb. .74 - —
smaller lots lb. .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs lb. .75 - .85
powd., bxs. lb. .90 - 1.05
Russian, bgs. lb. 3.85 - 3.90
powd., bxs. lb. 4.00 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper lb. 4.00 - 6.50
from African pepper lb. 5.75 - 6.75
Caramel coloring, NF, bbls gal. 1.05 1.20
Caraway, Dutch lb. .16½- .17
Carbazole, 97% steel dms., ton lots, works lb. 1.55 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E. lb. .14½- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., c.l., same basis lb. .08½- .08¾
l.c.l., same basis lb. .09½- —
tankcars, same basis lb. .0440- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, c.p., dms., works lb. .10¾- —
NF, cbys lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .091 - —
W. of Rockies, frt. alld. lb. .09¾- —
tanks, E. of Rockies, frt. alld. lb. .07¼- —
W. of Rockies, frt. alld lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, fancy, cs. lb. 3.60 - 3.65
bold, cs. lb. 3.50 - 3.55
medium, cs lb. 3.30 - 3.35
decorticated, Alleppey, cs. lb. 4.00 - 4.05
Ceylon, cs. lb. 3.40 Nom.
Guatemala, cs lb. 3.45 Nom.
Indian, cs lb. 3.20 Nom.
Mangalore, cs lb. 3.35 - 3.40
green, Alleppey, bgs lb. No prices
Ceylon, bgs lb. 2.75 - 2.80
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, ouik, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta. 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb. 25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli. units. .18 - —
dms., works milli. units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. lb. 8.75 - 9.00
Cascara sagrada bark, bulk lb. .33 - .35
Case-hardening mixture, 30% gran., dms. l.c.l., works lb. .10½- —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, ship't point lb. .29 - .30
premium, bgs., 10,000 lbs. or more, ship't point lb. .26½- .32½
Imp., acid-precip., ground, 100 bgs. or more, ex dock lb. .35 - —
rennet-precip., bgs. 10,000 lbs. or more, ex dock lb. .36 - .37
Cashew nut, liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots same basis lb. .22¼- —
dm. lo's, same basis lb. .24¼- —
Cassia, Batavia, long stick, bls lb. .27 - .30
broken lb. .21 - .22
shortstick, bls. lb. .20 - .20½
China, Canton, Kwangsi, rolls, select, cs lb. .16 - .17
broken, bls. lb. .14 - .14½
Honan, Yunnan rolls, scraped, bls lb. .18 - .18¼
broken, bls lb. .17 - .17¼
unscraped, bls lb. .17 - .17½
broken, bls lb. .16½- .17
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l. same basis lb. .44 - .49
Saigon, broken, bls lb. .36 - .38
medium, bls lb. .46 - .48
thin, bls lb. .48 Nom.
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports long ton.115.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.30.50 - —
Castoreum, natural, cns lb. 7.00 -30.00
artificial, cns. lb. 9.00 - 9.25
Catechol, CP, cryst, fib. dms., works lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls. lb. .60 - .65
Celery seed, French, bgs lb. .42 - .43
Indian, bgs lb. .28 - .28½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .38



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NICOTINAMIDE
and Nicotinamide Hydrochloride

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- **Sulfadiazine U.S.P. (powder, micro crystal and Calcomites) . . . Sulfa Drug of Choice**
- **Sodium Sulfadiazine U.S.P.**
- **Sulfamerazine U.S.P. (powder, micro crystal and Calcomites)**
- **Sodium Sulfamerazine U.S.P.**
- **Sulfanilamide U.S.P. (powder, crystal, micro crystal)**
- **Sulfathiazole U.S.P. (powder, crystal, micro crystal and Calcomites)**
- **Sodium Sulfathiazole U.S.P.**
- **Sulfapyridine N.F.**
- **Sodium Sulfapyridine**
- **Sulfabenzamide (powder, micro crystal and Calcomites)**
- **Sodium Sulfabenzamide**
- **Aminoacetic Acid N.F.**
- **Calcium Pantothenate (Dextro)**
- **Choline Chloride**
- **Choline Citrate, Tri**
- **Choline Dihydrogen Citrate**
- **Choline Bitartrate**
- **Cinchophen N.F. (and sodium salt)**
- **Folic Acid**
- **Neocinchophen U.S.P.**
- **Methylene Blue U.S.P. (powder and crystal)**
- **Nicotinic Acid U.S.P.**
- **Nicotinamide U.S.P.**
- **Nicotinamide HCl**
- **Para Aminosalicylic Acid (and sodium salt)**
- **Phenothiazine N.F. (regular and drench grades for veterinary use)**
- **Propylthiouracil**
- **Pyridoxine HCl**
- **Riboflavin U. S. P.**
- **Saligenin**
- **TB-1**
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Nicotinic Acid and Nicotinamide are members of the Vitamin B Complex, sometimes described as Vitamin PP, and are recognized as specific in the prevention and treatment of pellagra. Both play an important role in carbohydrate metabolism. It is believed they are closely associated with other deficiency states of the Vitamin B Complex. Almost a universal practice is to include Nicotinic Acid or Nicotinamide in Vitamin B Complex products and multi-vitamin preparations.

Nicotinamide Hydrochloride is a white crystalline powder with a strongly acid reaction. The latter characteristic offers advantage in some pharmaceutical preparations.

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AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs., works, lb. .49 - —
36.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 - .53
less than 500 lbs., works lb. .51 - .54
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works.lb. .54 - —
molding composition plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .60 - —
Cerium nydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100-lb lots, works lb. 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02⅞- .05½
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton.40.00 - —
papermakers, ogs., c.l., works. ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.30.00 - —
Chamomile flowers, Hungarian, cs.lb. .55 - .65
Roman, bls lb. .85 - .90
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton.51.80 - —
bulk, c.l., works ton.49.80 - —
granular, bgs., incl., c.l., works ton.46.80 -59.00
lump, bgs., extra, returnable, c.l., works ton.41.80 -45.50
bulk, c.l., works ton.38.80 -43.50
Pinewood, gran., powd., ogs., c.l. works, South ton.30.00 -40.00
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 - —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 - —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l. works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works. ton.16.00 - —
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me., gross ton.19.00 -40.00
powd., ogs., c.l., ex dock. net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, jars lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. .75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms., frt. alld. lb. .12½- .13¼
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., NY lb. .08¾- —
l.c.l., NY, stock points lb. .10¼- —
tanks, single units works, frt. equald 100 lbs. 2.55 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 3.05 - —
2 cars, same basis 100 lbs. 3.65 - —
1 car, same basis 100 lbs. 4.25 - —
Chloroform, tech., dms., c.l., divd. E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 3.75 - 4.25
Chloropicrin, com'l, bots lb 1.40 - —
cyls., 180-lbs., frt. alld. lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb 8.50 - —
5-lb. pkg. lb 9.00 - —
1-lb. pkg. lb 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.55
Chloride, fib. dms., same basis lb. 2.30 - 2.55
Dihydrogen citrate, fib. dms., same basis lb. 2.30 - 2.55
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½%, bbls., works lb. .08 - —
cbys. lb. .09¾- —
8½%, bbls., works lb. .08½- —
cbys. lb. .10¼- —
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb. .49 - —
Trioxide, USP, bots lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots lb. 7.65 - 9.29
Cinchona bark NF, red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz. .30½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms. lb .90 - 1.20
Cinnamon, Ceylon, No. 2, bls. lb. .39 - .40
Citral, bots, cns. lb. 4.80 - 5.55
Citronellal, bots., dms. lb 2.50 - 7.75
Citronellol, bots., dms. lb. 2.85 - 3.15
Civet, bots. oz. 4.00 -13.00
artificial, bots. lb.13.75 -15.00
Clove, Madagascar, bls. lb. .27 - .27½
futures, bls. lb. No offers
Zanzibar, bls. lb. .27½- .28
afloat lb. .27 - .27½
Clover tops, red, dom., bgs. lb. .65 - .70
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .54 - —
smaller lots, same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .23½- —
l.c.l., ex-whse gal. .25 - —
tanks, ex-whse gal. .13½- —
refd., resale, bbls, c.l., ex-whse. gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
Cobalt acetate, bbls., divd lb. .93½- —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works. lb. .91¼- —
Hydrate, 60.3% Co, bbls lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Metal, 97-99%, kgs., ex-whs. lb. 1.80 - —
under 100 lbs., ex-whse lb. 1.82 1.87
Naphthenate, liq., 6% Co, dms lb. .37¼- —
Cobalt nitrate, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs. lb. 1.31¼- —
Resinate, fused 3% Co, dms lb. .22¾- —
Sulphate, bgs, 21% Co, kgs. lb. 1.05 - —
Cocaine, USP, cns., 100-oz. oz.15.00 - —
Hydrochloride, cns., 100-oz. lots.oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs. lb. .69 - .70
Cocillana bark, bgs. lb. .16 - .17
Cocoa butter, bgs. lb. .83 - .84
Codeine, NF, cns., 100 ozs. oz.13.25 - —
Hydrochloride, cns., 100 ozs. oz.11.85 - —
Phosphate, USP, cns., 100 ozs. oz.10.25 - —
Sulphate, USP, cns., 100 ozs. oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black root, bls lb. .20 - .25
Blue, root, bls lb. .15 - .17
Colchicine, USP, bots., cns. oz.79.00 -85.00
Colchicum root, bls. lb. .60 - .70
Seed, bgs. lb. 1.10 - 1.20
Collodion, USP, dms. lb. .21 - —
Flexible, USP, dms. lb. .22½- —
Colocynth, pulp, bls. lb. .25 - .27
Colombo root, bls. lb. .13 - .15
Coltsfoot leaves, bgs. lb. .30 - .35
Condurango bark, bgs lb. .20 - .22
Copaiba balsam, cns., dms. lb. .64 - .82
Copper acetate, cuprie, bbls., works. lb. .28 - —
smaller containers, works. lb. .29 - .30
Carbonate, 55%, bgs., works lb.19.20 -20.20
Chloride, anhyd., bbls., works. lb. .30½- —
crystals, bbls., works lb. .20¼- —
Citrate, USP, 5-lb. bots lb. 2.40 - —
Cyanide, tech., bbls lb. .494 - .514
Copper gluconate, cns., dms lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .27½- .28
Metal, electrolytic, divd lb. .22½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¾- —
Nitrate, tech., cryst., bbls., works. lb. .25½- —
Oleate, liquid, 8.5% Cu, bbls. lb. .27 - —
solid 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .29 - .35
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate, bgs., frt. alld. lb. .24¼ Nom.
Quinolate, fib. dms lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 8.35 - 9.10
CP, cryst., gran., dms., works. lb. .1385- —
monohydrated, 35%, dms., c.l., works 100 lbs.13.30 - —
tribasic, dealers, bgs., c.l., works, frt. alld lb. .226 - —
l.c.l., works lb. .236 - —
USP, gran., cryst., dms lb. .1385- .26
Undecylenate, dms lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.210.00 - —
Pacific ports ton.205.00 - —
Coriander seed, Argentine, bgs. lb. .20 - .20½
Italian, bgs lb. No stocks
Moroccan, bgs lb. .28 - .28¼

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Tellurium • L-C Brand Zinc Sulphate

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Corn Sugar—Di-isobutyl Ketone

Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.24 - —
bbls., c.l., same basis 100 lbs. 6.30 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.52 - —
t.c.l. 100 lbs. 6.67 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .28 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton 1.75 - —
Meal, 41% protein, bulk Memphis ton.73.00 -74.00
Coumarin, NF, cns lb. 2.75 - 3.05
powd., cans lb. 3.00 - 3.30
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .25 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .26¼- —
smaller lots, bbls., kgs lb. .26¾- .27¾
imported, kgs lb. .21 - .23
Creosote, coaltar, crude, tanks, works, frt equald gal. .14 - 18
refined, dms., c.l., works gal. .36½- .40
t.c.l., same basis gal. .37½- .47
tanks, same basis gal. .23½- —
solution, 90% tanks, works gal. .168 - —
NF, beechwood, bots., cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 - —
Pinewood, dms gal. .31 - .33
Carbonate, NF, bots., cbys lb. 2.35 - 2.40
Cresols, tech., dry, above 207°C, non-ret. dms. c.l frt. equ lb. .128 - .138
t.c.l., same basis lb. .131 - .141
Cresols, tech., dry, above 207°C, ret. dms., c.l., same basis lb. .125 - .14
t.c.l., same basis lb. .128 - .143
tanks, same basis lb. .115 - .13
USP, non-ret. dms., c.l., same basis lb. .133 - .148
t.c.l., same basis lb. .136 - .151
ret. dms., c.l., same basis lb. .13 - —
t.c.l., same basis lb. .133 - —
tanks, same basis lb. .12 - .135
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½- —
t.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.13.75 - —
bbls., t.c.l., works 100 lbs.14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF bgs lb. .35 - .45
powd., cs. lo. .44 - .54
Culvers root, bbls. lb. .50 .60
Cumene, dms., c.l. lb .08 —
t.c.l. lb. .09 - —
tanks gal. .53 .56
Cumin seed, Iranian, bgs. lb. .17 - .17½
Morocco, bgs. lb. .17 - .17½
Syrian, bgs. lb. .17 - .17½
Cutch, extract, 55% tannin, bgs., ex dock lb. .06¾- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton 46.50 - —
ton.46.50 - —
pulv., 21% N., bgs., same basis unit-ton. 2.25 - —
Cyclohexane, tech., dms., c.l., works lb. .11 - —
t.c.l., works lb. .11¾- —
tanks, works lb. .09¼- —
Cyclohexanol, tech., dms., c.l., works lb. .21¼- .23
t.c.l., works lb. .22 - .26
tanks, works lb. .20 - .24
Cyclohexanone, tech., dms., c.l. lb. .26½- .30
t.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .36½- —
t.c.l., works lb. .37½- —
tanks, works lb. .35½- —
Cyclopropane, USP 2 lb. cyls, works, cyl.40.00 —
6 oz. cyls., works cyl.10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

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2, 4-D, bbls., c.l. works, frt. equald. lb. .43 - .48
t.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works lb. .54 - —
t.c.l., works lb. .59 - .66
Damiana leaves, bls lb 40 45
Dandelion root, bls. lb. .50 - .55
DDD, tech., fine grd. fib. dms., c.l., works lb. .51 - —
t.c.l., works lb. 51½- —
lump, fib. dms., c.l., works lb. .49 - —
t.c.l., works lb 49½- —
DDT, fiber dms., c.l., works, frt. equald lb. .34 - .36
smaller lots, same basis lb. .35 - .39
Decanol, normal, tech., dms., c.l., dlvd lb. .34½- —
t.c.l., dlvd. lb. .36½- —
tanks, dlvd. lb. .32 - —
Deertongue leaves, bls lb .30 - .35
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½%P paper bgs., works ton.45.00 - —
Degras, common, bbls lb. .11 - 12
Neutral, less 2% ffa, bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone powd lb. .42 - —
Desoxyephedrine hydrochloride, dextro dms lb.30.00 - —
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 7.65 - —
t.c.l. 100 lbs. 7.80 - —
Chicago, c.l. 100 lbs. 7.00 - —
canary, paper bgs., c.l. 100 lbs. 7.49 - —
t.c.l. 100 lbs. 7.64 - —
Chicago, c.l. 100 lbs. 6.84 - —
dark, paper bgs., c.l. 100 lbs. 7.59 - —
t.c.l. 100 lbs. 7.74 - —
Chicago, c.l. 100 lbs. 6.94 - —
white, paper bgs., c.l. 100 lbs. 7.34 - —
t.c.l. 100 lbs. 7.49 - —
Chicago, c.l. 100 lbs. 6.69 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, bgs lb. .08½- .09
Tapioca, pure, envelope, bgs lb. .15 - .16
Dextrose, USP dms lb. .17¾ —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb 6.00 6.55
laboratory grade, bots 100 grams 4.50 - —
tech., bots., works lb 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. .34¼- —
t.c.l., dlvd. E lb. .35¼- —
tanks, dlvd. E lb. .32½- —
Dianisidin, dms lb. 1.75 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 -52.00
California ton.38.00 -40.00
t.c.l., ex whse ton.30.00 - —
purified, bgs. c.l. Atl. coast ton.62.00 - —
California ton.50.00 - —
t.c.l. ex whse ton.90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices,
Mexican, white, bgs. c.l., Atlantic coast lb. .03 - —
t.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l. works, lb. .66½- —
t.c.l., works lb. .67 - —
tanks, works lb. 65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½- —
t.c.l. works lb. .56 - —
tanks, works lb. .54 —
Dibutyl phthalate, dms., c.l., dlvd. lb. .29 - .29¾
t.c.l., dlvd. lb. .30 - .30¾
tanks, dlvd. lb. .27½- .28¼
Sebacate, dms., c.l., works. lb. .51 - —
t.c.l., works lb. .51½- —
tanks, works lb. .49½- —
Tartrate, dms., works, frt. alld lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½- —
t.c.l., frt. alld lb. .52½- —
tanks, frt. alld. lb. .49¾- —
Dicapryl pntnalate, dms., c.l., dlvd. lb. .36½- —
t.c.l., dlvd. lb. .37½- —
tanks, dlvd. lb. .35 - —
Sebacate, dms., c.l., works lb. .54½- —
t.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 - —
t.c.l., works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt., equald lb. .27 - —
t.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .40¼- —
t.c.l., works lb. .41 - —
tanks, works lb. .39 - —
Dicyclohexylphthalate, lb. dms., c.l., works lb. .40½- —
t.c.l., same basis lb. .41½- —
Diethanolamine, dms., c.l., E lb. .26½- —
t.c.l., same basis lb. .27½- —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms. c.l., frt. alld lb. .36¾- —
t.c.l., same basis lb. .37¾- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .45 - —
t.c.l., dlvd. lb. .49 - .52¼
tanks, dlvd. lb. .43½- —
Oxalate, dms., c.l., frt. alld lb. .34¾- —
t.c.l., same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd lb. .25½- —
t.c.l., dlvd. lb. .26½- —
tanks, dlvd. lb. .24 - —
Sulphate, dms., c.l., works lb. .16 - —
t.c.l., works lb. .16½- —
tanks, works lb. .14½- —
Diethylamine, dms., c.l., frt. alld. E lb. .57 - —
t.c.l., same basis lb. .58 - —
tanks, same basis lb. .55¼- —
Diethylanilin, dms lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17¼- —
t.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Boriborate, dms., t.c.l. lb. .28 - —
Diethylether, dms., c.l., works lb. .46½- —
t.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .24½- —
t.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Monobutylether acetate, dms., c.l., works lb. .26 - —
t.c.l., works lb. .26½- —
Monoethylether, dms., c.l., works. lb. .18 - —
t.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
t.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
t.c.l., works lb. .22½- —
tanks, works lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
t.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .61½- —
t.c.l., same basis lb. .62½- —
tanks, same basis lb. .59¾- —
Diethylstilbestrol, USP, bots kilo.240.00 -320.00
Digitalin, cryst., bots gram.12.50 -18.00
powd., bots oz.25.00 -30.00
Digitalis leaves, dms lb. .85 - 1.25
Digitoxin, USP, bots gram. 7.50 - 8.00
Diglycol, laurate, dms lb. .30 - .32
Oleate, dms lb. .25 - .27
Stearate, dms lb. .25 - .26
Dihexyl sebacate, dms., c.l., works, lb. .42½- —
t.c.l., works lb. .43 - —
tanks, works lb. 41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .60 - —
wholesalers, vials gram. .48 - —
Dihydroxydichlorodiphenylmethane, dms lb. .93 1.00
smaller containers lb 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., dlvd. lb. .14¼- —
t.c.l., dlvd. lb. .15¼- —
tanks, dlvd. lb. .12½- —

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2034

Di-isobutylene, dms., c.l., works lb. .08¼- —
l.c.l., works lb. .09 - —
tanks, works lb. .05½- .06¼
Di-isooctyl phthalate dms. c.l., dlvd. lb. .37½- .39½
l.c.l., same basis lb. .38½- .40½
tanks, same basis lb. .36 - .38
Di-isopropylamine, dms., c.l., frt. alld lb. .45¼- —
l.c.l., same basis lb. .46¼- —
tanks, same basis lb. .43½- —
Dillseed, natural, bgs lb. .10½- .11
dewhiskered, bgs lb. .13 - .13½
Dimethyl chloroacetal, dms., c.l., works lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Phthalate, dms., c.l., dlvd lb. .24½- —
l.c.l., dlvd. lb. .25½- —
tanks, dlvd. lb. .23 - —
Sebacate, dms., c.l., works lb. 69½- —
l.c.l., works lb. 70 - —
tanks, works lb. 68 - —
Sulphate, 55-gal ret dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret dms., works lb. 46½ —
Dimethylamine, 25%-40% dms., cl. works, basis 100% lb. .37 .38
l.c.l., works, basis 100% lb. .37½- .38½
tanks, works, basis 100% lb. 38 —
Dimethylaniliin, dms., c.l. lb. .24 - —
l.c.l. lb. .25 - —
tanks lb. .23 - —
Dimethylethanolamine, dms., c.l., dlvd lb 1.43 - —
l.c.l., dlvd. lb 1.45 - —
tanks, dlvd lb 1 40 - —
Dinitroaniliin, dms., frt. equald lb. .54 - .57
Dinitrobenzene, crude, dms lb. .18 - —
purified, dms lb. .19½- —
Dinitrochlorobenzene, dms., c.l. lb. .13½- .17¼
l.c.l. lb. .14 - .18½
tanks lb. .13¼- .16½
Dinitrophenol, bbls lb. .31 - —
Dinitrotoluene, oily, dms lb. .09½- —
refd., dms. lb. .19 - —
Dinonylnaphthalene, c.l., dms., work lb. .13 - —
l.c.l. dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl adipate, dms., c.l., works, frt. alld lb. .42 - —
l.c.l., same basis lb. .43 - —
tanks, same basis lb. .40½- —
Phthalate, dms., c.l., frt. alld lb. .37½- .39¾
l.c.l., frt. alld lb. .38½- .40¾
tanks, frt. alld lb. .36 - .38
Diorthotolyiguanidin, dms. ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., trt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs. l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl. c.l., works, South gal. .35 - —
l.c.l., same basis gal. .36 - —
N. Y. whse. gal. .46 - —
tanks, works, South gal. .20 - —
steam-dist., dms., c.l., works, south gal. .35 - —
l.c.l., works, South gal. .46 - —
dlvd. N. Y. gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .62
Phthalate, dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, bbls lb. .27 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 - 3.50
Dipropyleneglycol, dms., c.l., frt. alld lb. .14½- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .13 - —
Dipropyleneglycol methylether, dms., c.l., frt. equaid lb. .18 - —
l.c.l. same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton. 68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .24
imp., NF, cut, bls lb. .25 - .30
Dogwood bark, Jamaica lb. .10 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs. lb. .90 - 1.00
reeds, cs lb. 1.75 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns lb.17.00 -17.60
No. 2, cns. lb.17.00 -17.60
Green, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.22.20 -22.85
No. 3, cns. lb.35.25 -35.90
Orange, FD&C, No. 1, cns. lb 3.65 3.75
No. 2, cns. lb 4.65 4.75
Red, FD&C, No. 1, cns. lb 7.55 - 7.85
No. 2, cns. lb 4.00 4.10
No. 3, cns. lb.22.20 -22.85
No. 4, cns. lb 7.20 7.50
No. 32, cns. lb 5.30 - 5.40
Violet, FD&C, No. 1, cns lb.16.10 - —
Yellow, FD&C, No. 1, cns. lb.10.50 -11.05
No. 3, cns. lb 3.30 3.40
No. 4, cns. lb 3.30 3.40
No. 5, cns. lb 4.00 4.10
No. 6, cns. lb 4.00 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns lb.10.95 - —
Blue, D&C, No. 4, cns. lb.13.55 - —
Brown, D&C, No. 1, cns. lb.16.10 - —
Green, D&C, No. 5, cns. lb.16.10 - —
No. 6, cns. lb.16.10 - —
No. 7, cns. lb.14.80 - —
Orange, D&C, No. 3, cns. lb.10.95 - —
No. 4, cns. lb.20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb.20.70 - —
Red, D&C, No. 8, cns. lb 3.75 - —
No. 9, cns. lb 3.75 - —
No. 10, cns. lb 3.00 - —
No. 11, cns. lb 2.25 - —
No. 12, cns. lb 3.00 - —
No. 17, cns. lb.10.95 - —
No. 18, cns. lb.24.00 - —
No. 19, cns. lb.20.05 - —
No. 21, cns. lb 4.70 - —
No. 22, cns. lb.10.95 - —
No. 28, cns. lb.24.65 - —
No. 33, cns lb.17.45 - —
Violet, D&C, No. 2, cns lb.16.10 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext. D&C, No. 1, cns lb.16.10 - —
Green, Ext. D&C, No. 1, cns. lb.16.10 - —
Red, Ext. D&C, No. 1, cns. lb.13.50 - —
Yellow, Ext. D&C, No. 1 cns lb.10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb .59 - —
27 Orange G. lb .71 - —
31 Amido naphthol red G. lb .59 - —
36 Alizarine yellow 2G lb. .76 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb .90 - —
79 Ponceau R. lb .68 - —
151 Orange II. lb .44 - —
165 Red lake C. lb 1.05 - —
179 Azo rubine. lb .95 - —
176 Red lake A. lb .80 - —
180 Diamond blue 3B lb .84 - —
185 Cochineal red A lb .85 - —
202 Chrome blue black R. lb .63 - —
203 Chrome black T. lb .72 - —
208 Sulphon acid blue R. lb .83 - —
216 Acid alizarin red B. lb .77 - —
234 Resorcin brown lb .82 - —
246 Naphthol blue black. lb .78 - —
278 Benzo fast red SBL lb 2.74 - —
289 Sulphon cyanine 5R extra lb 1.00 - —
299 Diamond black F lb 1.78 - —
304 Nerol 2B lb. 1.84 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—
326 Benzo fast orange S lb 1.45 - —
332 Bismarck brown R lb .78 - —
365 Chrysophenine lb 2.14 - —
382 Diamine black BH lb 1.51 - —
401 Diamine black BH. lb .58 - —
406 Benzo blue 2B conc. lb 98 - —
419 Diamine fast red F. lb 1.05 - —
420 Diamine brown M. lb 82 - —
448 Benzo purpurine 4B. lb 1.08 - —
518 Diamine sky blue FF lb 1.48 - —
561 Trisulphon brown B lb 1.78 - —
581 Direct deep black EW extra. lb .81 - —
593 Diamine green B lb .60 - —
598 Congo brown G lb 1.20 - —
620 Sun yellow lb .84 - —
639 Xylene light yellow. lb 1.77 - —
640 Tartrazine lb 1.34 - —
655 Auramine lb 1.69 - —
657 Malachite green lb 1.93 - —
662 Brilliant green lb 2.55 - —
667 Brilliant milling green B lb 3.27 - —
671 Glaucine lb 1.54 - —
680 Methyl violet B lb .95 - —
681 Crystal violet lb 1.91 - —
698 Formyl violet S4B lb 1.51 - —
720 Chrome azurol B. lb 3.60 - —
729 Victoria blue B lb 2.48 2.68
737 Wool green S lb 2.14 - —
749 Rhodamine B lb 3.85 - —
814 Chloramine yellow. lb 2.76 - —
841 Safranine lb 2.58 - —
865 Nigrosine WSJ 78 lb. .60 - —
922 Methylene blue GXX lb 1.28 - —
969 Hydron blue R lb 72 - —
978 Sulphur black T extra lb .28½- —
1027 Alizarin VI lb .64 - —
1034 Alizarin red S lb 2.30 - —
1054 Alizarin saphiro B. lb 2.59 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):
1078 Alizarin cyanine green lb 2.61 - —
1085 Alizarin blue black B lb 2.13 - —
1096 Indanthrene golden orange G, single paste lb 1.96 - —
double paste lb 3.92 - —
1099 Indanthrene dark blue BO, single paste lb 1.72 - —
1101 Caledon jade green lb 2.32 - —
1106 Indanthrene blue RS, double paste lb 2.52 - —
1113 Indanthrene blue GCD, double paste lb 1.72 - —
1150 Indanthrene olive R, single paste lb 1.08 - —
1151 Indanthrene brown R, single paste lb 1.65 - —
double paste lb 3.29 - —
1212 Indanthrene red violet RH, single paste lb 1.54 - —
1217 Helindon orange R, single paste lb 1.57 - —
p-4 Acid anthracine brown P G lb 2.48 - —
p-14 Anthracene chromate brown EB lb 1.25 - —
p-24 Benzo fast black L lb 1.94 - —
p-80 Diazo brilliant scarlet ROA lb 2.55 - —
p-202 Zambesi black V lb .97 - —
p-244 Celliton scarlet B lb 1.25 - —
p-313 Naphthol AS-SW lb 2.74 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No 550 lb. .72 - —
Jet, No. 551 lb. .79 - —
Brown, R. conc lb 1.44 - —
Orange R, brilliant lb .80 - —
Red 4 B, conc lb 1.22 - —
Yellow, C lb 1.05 - —
FN, conc lb 1.08 - —

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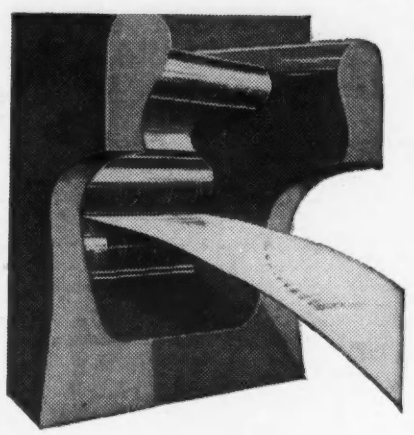

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DI-ISO-OCTYL ADIPATE
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Dyes, Coaltar, for Stains, Spirit-Soluble—Furfural

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms., sellers' works.
Auramine, O ..... lb. 1.69 - —
Black basic, blue ..... lb 1.08 - —
Jet ..... lb 1.08 - —
Blue, methylene, 2 B, conc lb 1.42 - —
Brown, Bismarck, R conc lb 711 - —
Chrysodine, R, extra ..... lb .55 - —
Y extra ..... lb .59 - —
Fuchsine, conc ..... lb 2.82 - —
Green, malachite, conc .... lb 1.93 - —
Rhodamine, B ..... lb 3.97 - —
Safranine, Y conc ..... lb 2.66 - —
Violet, methyl, B ..... lb. 1.01 - —

Dyes, coaltar, for stains, water-soluble, 100-lb dms. sellers' works
Black, acid blue, B extra lb 76 - —
Orange, acid, Y, conc ..... lb. .42 - —
Rhodamine azo R, extra conc.
Rhodamine, R, extra, conc lb 3.07 - —
Scarlet, croceine, MOO .... lb 1.33 - —
Yellow, azo-, conc ..... lb. .82 - —
Fast light, 3 G, extra .. lb. 1.80 - —
Methanil, conc lb .83 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c higher; tins, 10c higher

E

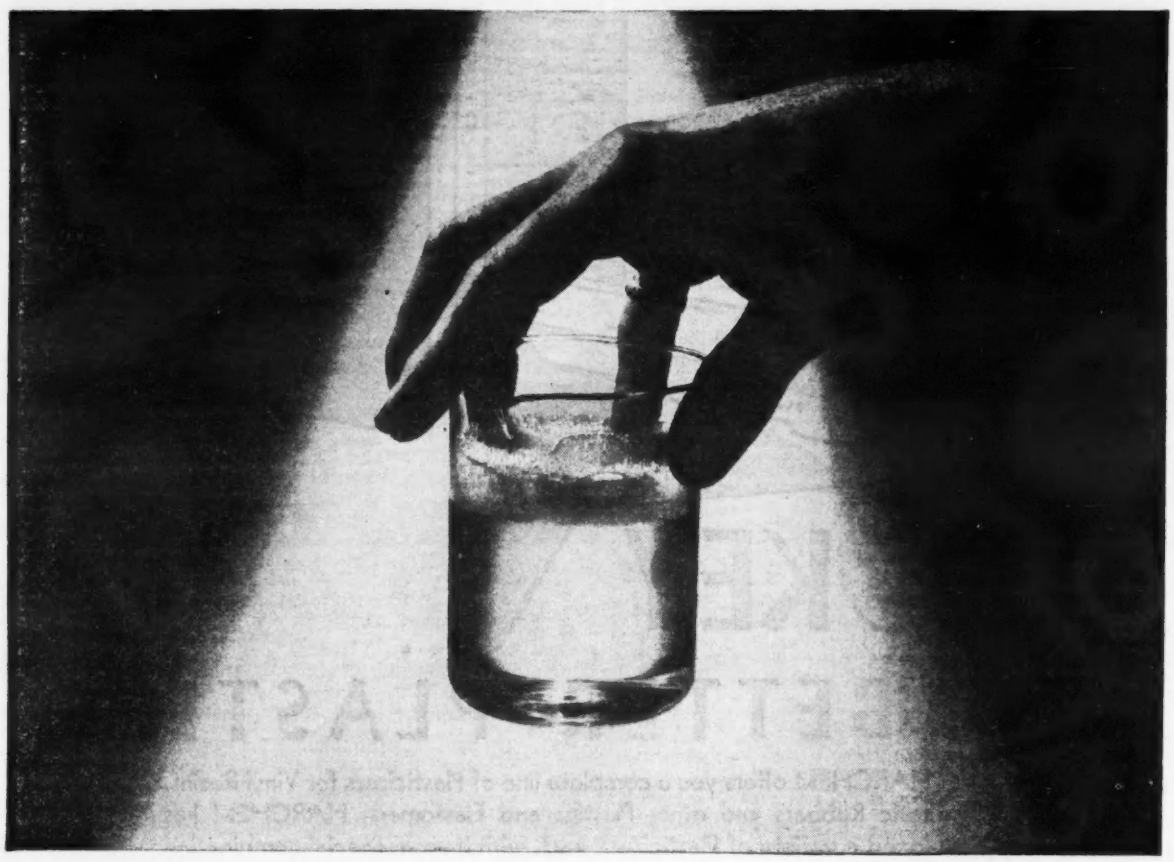
Echinacea root, bls ..... lb 45 - 55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls ..... lb. 1.20 - 1.22
Chinese, spot, bbls, duty paid lb. .83 - .85
tanners, bbls ..... lb 06½ 07
Elder flowers, bright, bls ..... lb. 40 50
Elecampane root, bls ..... lb. .22 .25
Elm bark, grinding, bls ..... lb. .30 - .35
powd., bbls., bxs ..... lb. .40 - 45
select, bndls ..... lb. .55 60
Emetine hydrochloride, USP, bots ..... oz. 37.50 -40.00
Ephedra herb, bls ..... lb. .30 - .32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 —
nydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst, tins, 100 ozs. oz. .72 —
powd, tins, 100 ozs oz. .73 —
Epichlorohydrin, dms., c.l., works lb. .36¾ - —
l.c.l., works ..... lb. .37½ - —
tanks, works ..... lb. .35 - —
Epinephrine, synth., USP, bots., 100 grams gram .45 - —
Epsom salt, tech, bgs, c.l., works, 100 lbs. 2.15 —
l.c.l., works ..... 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works 100 lbs. 2.35 —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 —
smaller lots 100 lbs. 3.35 —
Ergot, NF, dms., tin-lined ..... lb. 3.75 - 4.50
Eserine, bots. ..... oz. 45.00 -50.00
Salicylate, USP, bots ..... oz. 33.00 -34.00
Sulphate, bots ..... oz. 36.00 -37.00
Ether, acetate (see Ethyl acetate)
Butyl, dms., c.l., works ..... lb. .32½ - —
l.c.l., works ..... lb. .33 - —
tanks, works ..... lb. .31 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works lb. 16½ - —
l.c.l., same basis ..... lb. .17 - —
tanks, same basis ..... lb. .15 - —
Divinyl, USP, anesthesia, bots., 50 cc, hospitals bot. 1.00 - —
75 cc, hospitals ..... bot. 1.56 - —
NF, dms., dlvd ..... lb. .25 - —
Ether, ethyl, absolute, ACS, dms lb. .30 - —
anesthesia, USP, hospital, cns. lb. .78 - .90
Industrial, USP, dms., c.l., dlvd. lb. .10½ - —
l.c.l., same basis ..... lb. .12½ - —
tanks, same basis ..... lb. .08½ - —
synthetic, dms., incl., dlvd, East. lb. .12 - —
l.c.l., same basis ..... lb. .14 - —
tanks, same basis ..... lb. .10 - —
Isopropyl, dms., c.l., dlvd ..... lb. .06¼ - —
l.c.l., dlvd. ..... lb. .07 - —
tanks, dlvd. ..... lb. .04½ - —
Nitrous, conc., bots., 100 lbs lb. 1.03 1.10
Ethyl acetate, natural, fermentation, 85-88% dms., c.l. frt. alld. lb. .10¾ - .11¾
l.c.l., frt. alld ..... lb. .11¾ - .12¾
tanks, frt. alld ..... lb. .09 - .10
95-98%, dms., c.l., frt. alld lb. .11 - .12
l.c.l., frt. alld ..... lb. .12 - .13
tanks, frt. alld ..... lb. .09¼ - .10¼
99%, dms., c.l., frt. alld lb. .11¼ - .12¼
l.c.l., frt. alld ..... lb. .12¼ - .13¼
tanks, frt. alld ..... lb. .09½ - .10½
NF, dms., frt. alld ..... lb. .25 - —
synthetic, 85-90%, dms., c.l., frt. alld lb. .11¾ - —
l.c.l., frt. alld ..... lb. .12¾ - —
tanks, frt. alld ..... lb. .10 - —
95-98%, c.l., frt. alld ..... lb. .12 - —
l.c.l., frt. alld ..... lb. .13 - —
tanks, frt. alld ..... lb. .10¼ - —
99%, dms., c.l., frt. alld lb. .12¼ - —
l.c.l., frt. alld ..... lb. .13¼ - —
tanks, frt. alld ..... lb. .10½ - —
Acetoacetate, dms., c.l., dlvd lb. .47½ - —
l.c.l., dlvd. ..... lb. .48½ - —
tanks, dlvd. ..... lb. .46 - —
Acrylate, dms., c.l., and truckload, works lb. .49 - —
less than truckload, works lb. .49½ - —
tanks, works ..... lb. .48 - —
Ethyl benzoate, dms. ..... lb. .70 - .75
Betaethoxypropionate, dms, works lb. 70 —
Bromide, tech, 98%, dms. .... lb. 39 41
Butyrate, bots. ..... gal. 5.10 - 5.85
cns., works ..... lb. .68 - .80
dms., works lb 60 —
Carbamate (see Urethane)
Chloride, tech., dms., c.l., frt. alld, E. lb. .16 - .18
l.c.l., same basis ..... lb. .18 - .20
tanks, same basis ..... lb. .13½ - —
USP, bbls., cyl ..... lb. .20 - .22
Cinnamate, cns. ..... lb. 2.25 2.50
Formate, dms ..... lb. .55 - .65
Iodide, bots., works ..... lb. 3.86 4.27
Lactate, dms., works ..... lb. .42¼ - —
Methacrylate, dms., c.l. and truckload, works lb .50 —
less than truckload, works lb. .50½ - .60
Nitrite (see Ether, nitrous)
Oenanthate, dms ..... lb. .95 - 1.50
Oleate, dms, c.l. works lb. .53 —
Oxalate (see Diethyl oxalate).
Silicate, list (see Tetraethyl orthosilicate)
40% available SiO2, dms, works. lb. .55 - —
Ethylaiphanapnthylamine, dms lb 80 - —
Ethylanilin, dms. ..... lb. .50 - —
Ethylbenzene, dms., c.l. ..... lb. .14 - —
l.c.l. ..... lb. .15 - —
tanks ..... lb. .13 - —
Ethylbutyl ketone, dms., c.l., works. lb. .31½ - —
l.c.l., works ..... lb. .32 - —
tanks ..... lb. .30 - —
Ethylcellulose, fib dms 5,000 lbs. works lb. .54 - —
smaller lots, works ..... lb. .56 - .64
Ethylene dichloride, dms c.l., works frt alld E of Rockies lb .09½ —
l.c.l., works, frt. alld E of Rockies lb. .10½ - —
tanks, frt. alld., E. Rockies lb .09 —
Prices West of Rockies, 1c. per lb. higher.
Oxide, cyls., c.l., frt. alld lb. .23¾ - —
l.c.l., frt. alld lb. .24¾ - —
tanks, frt. alld lb. .16¾ - —
Trichloride (see Trichloroethane)
Ethylenediamine, dms, c.l. works lb. .42 —
l.c.l. works lb. .42½ - —
tanks, works ..... lb. .40 - —
Ethyleneglycol, dms, c.l., frt alld, E lb. .16 - —
l.c.l. same oasis lb. .17 - —
tanks, same basis ..... lb. .14½ - —
Diethylether, dms, l.c.l. works lb. .55 - —
Monobutylether, dms., c.l., works lb. .20 - —
l.c.l., works ..... lb. .20½ - —
tanks, works ..... lb. .18½ - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works ..... lb. .18½ - —
tanks, works ..... lb. .16½ - —
Monoethylether acetate, dms., c.l., works lb. .16 - —
l.c.l., works ..... lb. .16½ - —
tanks, works ..... lb. .14½ - —
Monomethylether, dms., c.l., works. lb. .19½ - —
l.c.l., works .. lb. .20 - —
tanks, works . lb. .18 - —
Monomethylether acetate, dms., c.l. works lb. .24½ - —
l.c.l., works lb. .25 - —
tanks works lb. .23 - —
Monostearate, dms lb. .33 - —
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss lb. .33¾ - —
l.c.l., same basis ..... lb. .34¾ - —
tanks, same basis ..... lb. .32 - —
Ethylmorphine hydrochloride, USP, bots oz. 11 85 - —
Ethylorthotoluidine, bbls lb 80 - —
Ethylvanillin, cns., 3 lbs or more lb 6.75 - —
smaller lots lb 6.80 6.90
Eucalyptol, USP, cns., dms ..... lb 1.25 2.05
Eucalyptus, leaves, bls ..... lb .10 .14
Eugenol, pure, USP, cns ..... lb. 2.50 - 2.95
Euphorbia, pil., herb., bls ..... lb. .15 - .18

F

Feldspar, enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works ton. 11.75 -12.50
Pottery, bgs., ton lots, works ton. 20.00 -22.00
bulk, c.l., works ton. 18.00 -20.00
Fennel seed, Czech, dark, bgs lb. .10½ - .11
French, bgs. ..... lb. .12 - .12½
Indian, bgs. ..... lb. .12 - .12½
Fenugreek, domestic, bgs ..... lb. No stocks.
Indian, bgs ..... lb. .11 .11½
Moroccan, bgs ..... lb. .06½ - .07
Syrian, bgs. ..... lb. .06½ - .06¾
Ferric-ammonium citrate (see iron-ammonium citrate)
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron-glycerophosphate).
Ferric hypophosphite (see iron hypophosphite).
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11½ - —
water-white, cs., works ..... lb. .13½ - —
Fir balsam, Canada, cns ..... gal. 32.50 -33.00
Oregon, bbls. ..... gal. 2.35 - 2.60
Fishberries, bgs ..... lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 135.00 - —
Fishscrap, dried 60% protein, bulk, Balto. area ton. 127.50 - —
Fleaseed (see Psyllium seed)
Fringetree bark, bls lb. 42 - .45
Fluorspar, acid grade, bgs., c.l. mines ton. 47.50 - —
l.c.l., mines ton 49.50 - —
bulk, contract, c.l., mines ton 42.00 - —
noncontract, c.l., mines ton 45.00 - —
l.c.l., mines ton 47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF2, bulk, c.l. mines net ton. 39.00 -41.00
powd, 90-92% ton 41.00 - —
foundry grade, lump, 55-60% ton. 34.00 —
washed, gravel, 70% or more, CaF2, bulk, c.l., mines ton. 35.00 -37.00
65% bulk c.l. mines ton. 34.00 -36.00
60% bulk, c.l., mines ton 33.00 -35.00
less than 60% bulk, c.l., mines ton. 32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb .0570 - —
l.c.l., E. works ..... lb. .0620 - —
tanks, E. works ..... lb. .0370 - —
methanol-free (uninhibited), tanks, works lb. .0350 - —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware, in states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants are .022 for inhibited and .020 for uninhibited

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga mines ton. 30.00 - —
Tex., mines ton. 27.00 - —
spent, bulk, Bayonne ..... ton 2.00 4.00
imported, bgs, c.l. ..... ton. 30.00 -40.00
Furfural, tech., dms., c.l., works lb 12 —
l.c.l., works ..... lb. 14 —
tanks, works ..... lb. .09½ - —



YOU CAN SEE WHY

Wyandotte "high-light" Kreelon leaves no residue

Textile fibers can absorb appreciable amounts of certain detergents which cannot be removed by ordinary rinsing. Also any insoluble material introduced in the processing bath may remain in the fibers.

This residue affects the handle of the fabric. It may affect subsequent finishing operations, alter colors and produce odors.

That's why it's a good idea to use Wyandotte "high-light" Kreelon. This superior detergent dissolves more quickly, is more soluble than most other detergents, and forms no insoluble water hardness complexes. It makes a clear, water-white solution. These qualities may be strikingly demonstrated by dissolving samples of Kreelon and other detergents in separate beakers of water—and holding them up to the light. Note the clarity of the Kreelon solution. Compare it with the hazy, "muddy" appearance of the other detergent solutions.

Kreelon is strongly recommended for textile scouring, dyeing and bleaching operations. It provides excellent detergent, wetting, penetrating, and rinsing properties in hard and soft water, in alkaline and acid media. Its performance is guaranteed by a three-way control test. Write us today for complete data on the properties and applications of Wyandotte "high-light" Kreelon.

WYANDOTTE CHEMICALS CORPORATION
Wyandotte, Michigan *Offices in Principal Cities*

SODA ASH • CAUSTIC SODA • BICARBONATE OF SODA
CALCIUM CARBONATE • CALCIUM CHLORIDE • CHLORINE
HYDROGEN • DRY ICE • SYNTHETIC DETERGENTS • GLYCOLS
CARBOSE (Sodium CMC) • ETHYLENE DICHLORIDE • PROPYLENE
DICHLORIDE • AROMATIC SULFONIC ACID DERIVATIVES
OTHER ORGANIC AND INORGANIC CHEMICALS

Wyandotte
REG. U. S. PAT. OFF.

Fusel oil, refined, dms., c.l., dlvd lb. .23¾- —
l.c.l., dlvd lb. .24¾- —
tanks, dlvd lb. .22 - —
Fustic extract, cryst., No. 2, bbls., l.c.l lb. .42½- —
No. 1A, bbls., l.c.l lb. .41½- —
No. 2, bbls., l.c.l lb. .40½- —
No. 3, bbls., l.c.l lb. .38½- —
liquid, No. 0, bbls., l.c.l lb. .22 - —
No. 1, bbls., l.c.l lb. .20½- —
No. 2, bbls., l.c.l lb. .19¼- —
No 3, bbls., l.c.l lb 17 —
solid, No. 1, bxs., l.c.l lb. .26 - .40

G

G salt, bbls lb. .66 - —
Galangal root, bls lb. .22 - .25
Gambier, plantation, bgs., ex dock lb No stocks.
Extract, bbls No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .105 - —
Bayonne, 83 octane, tanks gal. .116 - —
Gulf coast, 82 octane, tanks gal. .105 - .11
Group 3, 82 octane, tanks gal. .10125- .10375
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .1275- —
natural, 26-70 octane group 3, tanks gal. .05125- —
Gelatin, silver label, imported, cs lb. 1.15 —
Galsemium root, bls lb. .25 - .30
Gentian root, bls lb. .13 - .17
grd., bbls., bxs lb. .17 - .18
powd., bbls., bxs lb. .18 - .21
Geraniol, extra, cns., dms lb. 2.60 - 3.00
prime lb 2.20 2.40
Geranyl acetate, cns lb. 2.60 - 3.00
Ginger, oleoresin, NF, from African root, bots lb. 7.75 - 9.50
from Jamaican root lb. 10.50 -12.85
Root, African, bls lb. .45 - .46
May-June shipment, bgs lb. .38 - .39
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs lb. .52 - .52½
Jamaica, No. 1, bgs lb. .63 - .64
No. 2, bgs lb. .61 - .62
No. 3, bgs lb. .57 Nom.
Rhattoon, bgs lb. .50 Nom.
Nigerian, split, bgs lb. .35 - .36
Ginseng root, cs lb. 12.00 -16.00
Glauber's salt, annyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., bgs., works 100 lbs. 1.75 - 2.00
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .19½- —
65 jellygrams, bgs., c.l., same basis lb. .21 - —
80 jellygrams, bgs., c.l., same basis lb. .22 - —
110 jellygrams, bgs., c.l., same basis lb. .23 - —
130 jellygrams, bgs., c.l., same basis lb. .24 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .25 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .21½- —
l.c.l., same basis lb. .22½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .24 - .27
122-149, bgs., c.l., dlvd lb. .25 - .28
150-177, bgs., c.l., dlvd lb. .26 - .29
178-206, bgs., c.l., dlvd lb. .27 - .31
207-236, bgs., c.l., dlvd lb. .28 - .32
237-266, bgs., c.l., dlvd lb. .29 - .33
267-296, bgs., c.l., dlvd lb. .30 - .34
299-330, bgs., c.l., dlvd lb. .31 - .35
331-362, bgs., c.l., dlvd lb. .32 - .35
363-394, bgs., c.l., dlvd lb. .33 - .36
395-427, bgs., c.l., dlvd lb. .34 - .37
428-460, bgs., c.l., dlvd lb. .35 - .38½
461-494, bgs., c.l., dlvd lb. .36 - .40
495-529, bgs., c.l., dlvd lb. .37 - .41
Hide glue, l.c.l., prices 1c. higher than c.l., bbls. ½c. more than bgs.
Glycerin, crude, saponification, 88% to refiners, tanks, dlvd lb. No prices.
soaplye, 80%, tanks, dlvd lb. No prices.
dynamite, dms., c.l., dlvd lb. .29 - —
l.c.l., dlvd lb. .29½- —
tanks, dlvd lb. .28½- —
high gravity, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .29¾- —
tanks, dlvd lb. .28¾- —
refined, BP, 98%, dms., c.l., dlvd. lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
USP, c.p. 95% dms., c.l., dlvd. lb. .29¾- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .29¼- —
yellow, distilled, dms., c.l., dlvd. lb. .29½- —
l.c.l., dlvd lb. .30¾- —
tanks, dlvd lb. .28¾- —
Glycine USP (see Acid aminoacetic).
Glyoxal, 30%, dms., c.l., works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots oz. 22.50 -23.00
acid-yellow, bots oz. 20.50 - —
Gold of pleasure seed, bgs lb .40 .41
Goldenseal root, bls lb. 3.25 - 3.50
powd., bxs lb. 3.75 - 4.00
Gold-sodium chloride, photo, bots. oz. 13.00 -14.00
USP IX, bots oz. 14.50 -15.50
Grains of paradise, bgs lb. .43 - .46
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline, 88-90%, powd., bgs., ex whse lb. No prices.
90-92%, powd., bgs., ex whse. lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
flake, No. 1, 90-95%, ngs., ctns., ex whse lb. No prices.
No. 2, whse lb. No prices.
Grease, house, loose, dlvd lb. .06½- —
White, choice, loose lb. .08½- —
Wool (see Degras and Lanolin).
Yellow, loose lb. .07 - —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 - 4.50
16-20% bbls., same basis lb. .38½- —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd, N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .32 - —
6-10%, bbls., same basis lb. .33 - —
11-15%, bbls., same basis lb. .34 - —
16-20%, bbls., same basis lb. .34½- —
21-25%, bbls., same basis lb. .35¼- —
26-30%, bbls., same basis lb. .35¾- —
31-35%, bbls., same basis lb. .36¾- —
36-40%, bbls., same basis lb. .38½- —

Green, chrome, CP, color content 41-45%, bbls., same basis lb. .40 - —
46-50%, bbls., same basis lb. .22¼- —
50% and over, bbls., same basis lb. .42¾- —
reduced color, 5%, bbls., same basis lb. .12½- —
6-10%, bbls., same basis lb. .13¼- —
11-13%, bbls., same basis lb. .13¾- —
14-16%, bbls., same basis lb. .14½- —
17-19% bbls., same basis lb. .14¾- —
20-21%, bbls., same basis lb. .15 - —
22-23%, bbls., same basis lb. .15¼- —
24-25% bbls., same basis lb. .15¼- —
26-27%, bbls., same basis lb. .15¾- —
28-29%, bbls., same basis lb. .16¼- —
30-31%, bbls., same basis lb. .17¼- —
32-33%, bbls., same basis lb. .18½- —
34-35%, bbls., same basis lb. .19½- —
36-40%, bbls., same basis lb. .41¾- —
41-45%, bbls., same basis lb. .24½- —
46-50%, bbls., same basis lb. .26 - —
51-55%, bbls., same basis lb. .25¾- —
56-60%, bbls., same basis lb. .26¼- —
61-65%, bbls., same basis lb. .27¼- —

Green, chrome, reduced color, 66-70%, bbls., same basis lb. .28½- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure bgs. frt. alld lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin, toner, molybdic, bbls., works lb 3.00 - —
Tungstic, bbls., works lb 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works, lb 4.40 5.00
Tungstated, brilliant, kgs lb. 3.00 - 4.00
Emerald kgs lb 2.60 —
Grindelia robusta herb, bls lb. .24 .30
Guaiac resin, NF, cs lb. 60 .65
ordinary, cs lb. .49 .51
Wood, bls lb. .33 .36
Guaiacol, cryst., tins lb No prices.
Liquid, NF, bots., cbys lb 1.90 - 1.95
Carbonate, dms lb 2.95 3.00
Guarana, powd., cs lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.).
Ammoniac, tears, cs lb. .90 - .95
Arabic, amber, sorts, bgs lb. .12 - .13½
powdered, USP, bbls lb. .20½- .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .50 - .70
Camphor (see C).

Fusel Oil—Gum, Ester

Gum, copal, Congo, No. 1, bgs lb. .25 - .26
No 2, bgs lb. .20 - .21
No. 3, bgs lb. .17 - .18
Manila, toha, B, bgs lb. No prices.
C, bgs lb. .26 - .27
CBB, bgs lb. .23 - .24
CNE, bgs lb. No prices.
DBB bgs lb. .22 - .23
DK, bgs lb. .13 - .14
dust, bgs lb. No prices.
soft, MA, bgs lb. .15 - .16
WS, bgs lb. No prices.
Philippine, pale, chips, bgs lb. .21 - .22
nubs, bgs lb. .24 - .25
seeds, bgs lb. .15 - .16
sorts, bgs lb. .17 - .18
Pontianak, chips, bgs lb. .14 - .16
nubs, bgs lb. .25 - .27
Dammar, Batavia, A/D, bgs lb. .28 - .30
A/E, bgs lb. .23 - .24
dust, bgs lb. .12 - .13
E, bgs lb. 12½ - .13¼
East India, batu, bold, bgs lb .09 - .10
nubs and chips, bgs lb .06 - .07
black, bold, bgs lb. .11 - .12
unscraped, bgs lb. .09 - .10
nubs and chips, bgs lb. .09 - .10
pale, chips, bgs lb .11 - .13
nubs, bgs lb .20 - .22
Singapore, No. 1, bgs lb. .28 - .30
No 2, bgs lb. .20 - .21
No. 3, bgs lb. No prices.
dust, bgs lb. .09 - .10
seeds, bgs lb. .12½ - .13¼
Elemi, cns lb. .22 - .23
Ester, gum-rosin type, dms., c.l., dlvd, Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .12 - 12¼
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc lb. .12 - .12¼

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Whatever your iron compound requirements—MALLINCKRODT can "make the grade" in meeting your precise chemical and physical specifications.

FErric Ammonium Citrate
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FErric Glycerophosphate
FErric Hypophosphite
FErric Oxide
FErric Phosphate
FErric Potassium Tartrate
FErric Pyrophosphate
FErric Subsulfate Powder

FErric Tartrate
FErrous Bromide
FErrous Carbonate
FErrous Chloride
FErrous Gluconate
FErrous Iodide
FErrous Lactate
FErrous Oxalate
FErrous Phosphate
FErrous Sulfate
FErrous Sulfide

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UNIFORM, DEPENDABLE PURITY

Gum, Euphorbium—Isophorone

Gum, euphorbium, cs. lb. .35 - .40
Galbanum cs. lb. .75 - .80
Gamboge, pipe, cs. lb. 1.00 - 1.05
powd., bbls. lb. 1.15 - 1.20
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs. lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .49 - .54
No. 2 lb. .45 - .46
No. 3 lb. .34 - .35
Kauri, bgs. lb. .31½ - .32¾
Locust bean, powd., bgs. lb. .32 - .34
Mastic, cs. lb 2.25 - 2.50
Myrrh, cs. lb. .30 - .35
Olibanum, siftings, cs. lb. .12 - .13
tears, cs. lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. 1.95 - 2.25
Scammony, cs. lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs. lb. .10 - .11
Tragacanth, No. 1, cs. lb. 3.00 - 3.25
No. 2, cs. lb. 2.30 - 2.55
No. 3, cs. lb. 2.00 - 2.25
powdered, USP, bbls. lb. 1.50 - 1.55
Yacca, bgs. lb. .05½ - .06½

Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald. ton.17.00 - —
Sweetwater, Tex., frt. equald ton.21.45 - —

Gypsum, plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton.12.50 - —
Blue Rapids, Kans., frt. equald ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt. equald ton.18.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —

Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —

Gypsum, stucco, Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs lb. .39 - .45
Heliotropin, cryst., cns lb. 3.00 - 3.25
Hellebore root, dom., green, bls lb. .55 - .60
imp., black, whole, bls. lb. .20 - .25
ground, bxs. lb. .25 - .30
powder, bxs. lb. .27 - .32
white, whole, bls. lb. .30 - .40
powder, bxs. lb. .35 - .45
Helonias root, bls. lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½ - —
No. 1, bbls., l.c.l. lb. .44½ - —
No. 1A, bbls., l.c.l. lb. .41½ - —
No. 2, bbls., l.c.l. lb. .40½ - —
No. 3, bbls., l.c.l. lb. .38½ - —
No. 4, bbls., l.c.l. lb. .36½ - —
No. 5, bbls., l.c.l. lb. .34½ - —
paste, No. 1, bbls., l.c.l. lb. .19 - —
No. 2, bbls., l.c.l. lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red) bbls., l.c.l. lb. .12½ - —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls. lb. .30 - .35
Henna leaves, bls. lb. .23 - .28
powd., bbls., bgs. lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .16½ - —
group 3, tanks gal. .12½ - .13½
Hesperidin methylchalcone, works. lb.50.00 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs. c.l., Perth Amboy or N.Y.C. lb. .22 - —
t.c.l., same basis lb. .22½ - —
bbls., c.l., same basis lb. .24 - —
t.c.l., same basis lb. .24½ - —
USP, dms., 500 lbs. or more, same basis lb. .38½ - —
smaller lots, same basis lb. .39½ - —
Hexamine (see Hexamethylene tetramine)
Hexane, industrial, group 3, tanks, gal. .13½ - .14½
Bayonne, N. J., tanks gal. .16½ - —
Hexanol, normal, dms., c.l., works, lb. .31½ - —
t.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14¼ - —
t.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .12½ - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, 50 lbs. up, frt. alld lb.17.00 - —
works lb.15.00 - 17.00
smaller lots, frt. alld lb.18.00 - —
works lb.18.00 - 20.00
Histamine diphosphate, USP, bots kilo.375.00 - —
Histidine hydrochloride—laevo, NF, fib dms., 50 kilo lots, works kilo.100.00 - 120.00
1-5 kilos, works kilo.110.00 - 130.00
Homatropine hydrobromide, USP, bots oz.15.00 - 16.00
Hydrochloride, bots oz.20.00 - 22.00
Methylbromide, NF oz.13.00 - 16.25
Hootmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 8.00 - —
Hops, NF, bls. lb .40 - .45
Horehound, herb, bls. lb. .17 - .18
Hydrangea root, bls. lb. .14 - .17
Hydrastine, bots. oz.31.00 - 37.00
Hydrochloride, NF oz.29.50 - 36.00
Sulphate, bots oz.35.00 - 37.00
Hydrastinine, 10-grain bots. bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydroturamide, dms., fib. cns., works lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾ - .05
27½%, cbys., E. of Miss. lb. .17½ - .19½
35%, cbys., same basis lb. .23½ - .25½
dms., c.l., same basis lb. .20½ -
l.c.l., same basis lb. .21 - .23½
tanks lb. .19¾ -
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech. dms. lb. 70 - —
Hydroxycitronellal, cns. lb. 7.30 - 8.05
Hyoscine salts (see Scopolamine)
Hyoscyamine, bots. oz.15.75 - 16.00
Hydrobromide, bots. lb.16.50 - 18.00
Sulphate, bots. oz.13.50 - 14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l. lb. .48 - —
liquid, No. 1, bbls., l.c.l. lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l. lb. .44 - —
Hyssop herb, bgs. lb. .35 - .45
Leaves, bgs. lb. .45 - .50

I

Iceland moss, bgs. lb. .35 - .40
Ichthammol, F, dms. lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, bots. lb. .23 - —
powd., bbls. lb 1.03 - —
Indol, CP bots lb.17.00 - 19.00
Inositol, dms., dlvd lb. 4.90 - —
tins, dlvd lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.52 - —
resubl., USP., bots., jars lb. 2.30 - 2.41
Iodochlorohydroxyquinolin, NF dms. lb. 5.90 - —
Iodoform, NF, dms., kgs lb 4.45 - 4.60
Ionone, alpha, cns. lb. 5.35 - 13.65
beta, cns. lb. 8.65 - 10.00
Ipecac root, bgs. lb. 4.75 - 5.00
powd., bgs. lb. 5.50 - 6.00
Irish moss, bleached, prime bls. lb. .16 - .18
Iron acetate, liquor, 23° bbls., c.l., works lb. .09 - —
t.c.l., works lb. .09¾ - —
solut., USP IX, cbys. lb. .16 - —
djns. lb. .17 - —
Cacodylate, NF, bots lb.13.50 - 14.50
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
t.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works 100 lbs. 5.00 - 6.00
t.c.l., bbls., works 100 lbs. 5.50 - 6.00
USP, dms., works lb. .07 - .08½
solut., 42° Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .80
Gluconate, NF, dms lb. .93 - .95
Glycerophosphate, N.F., powd lb 4.25 - 4.35
Hypophosphite, NF, dms lb. 2.80 - —
Iodide, bgs lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼ - 21¾
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms, frt. alld. lb. .23 - —
Stearate, dms., c.l. lb. .34 - —
ton lots lb. .35 - —
less ton lots lb .36 - —
Sulphate, partially hydrated, bgs., c.l., works ton.28.50 - —
t.c.l., works ton.29.50 - —
ferrous, tech (see Copperas)
USP cryst, bbls, dms lb .09½ - .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb .55 - .58
brown, USP gran., dms lb. .55 - .58
Oxalate, dms lb. .25¼ - .28½
Iron-potassium oxalate, fine gran., dms. lb. .30½ - .33½
Iron-sodium oxalate, fine gran., dms lb. .25½ - .28½
Isoborneol, cns. lb. .84 - .95
Isobornyl acetate, cns. lb. .77 - .97
Isobutyl acetate, cns. lb. .72 - 1.25
Methacrylate, dms., works lb. .60 —
Propionate, cns lb. No prices.
Isobutyraldehyde, dms., works lb .50 .53
Isoeugenol, cns. lb. 3.15 - 3.70
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb.26.00 - 35.00
Isopentane, dms. works lb. .45 .55
Isophorone, dms., c.l., works lb. .22½ - —
t.c.l., works lb. .23 - —
tanks, works lb. .21 - —

AERO* BRAND

STEARATES

ALUMINUM
CALCIUM
MAGNESIUM
ZINC

WRITE FOR SAMPLES

MANUFACTURED BY

AMERICAN Cyanamid COMPANY

Industrial Chemicals Division
30 Rockefeller Plaza, New York 20, N. Y.

*Trade Mark

Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. lb. .10¾- .11¾
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., c.l., works lb .20 - —
l.c.l., works lb 40 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .43 - .45
powd., bbls., bxs lb .48 - .50
Resin, NF, powd., bxs lb 6.20 6.60
Juniper berries, bgs lb. .10 - .15
Tar, dms. lb. .40 - .65

K

Kamala, powd., cns lb. .70 - .80
Kaolin (see China clay).
Kava kava root, bls lb .25 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks gal. .08625- —
Bayonne, 41-43 s.g., w.w., tanks, gal. .092 - —
California, 40-43 s.g., w.w., tanks gal. .121 - .126
Gulf ports, 41-43 s.g., w.w., tanks gal. .086 - .0925
Okla.-Tex., 41-43, s.g. w.w. tanks gal. .085 .09
Penn., Western, 45 s.g., w.w., tanks gal. .0975- .10
Kola nuts, bgs lb 08 .10
Kyanite, imp. low iron content, 10 mesh, whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Lady slipper root, bls. lb. 1.45 - 1.50
Lanolin anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous lb. .27 - .29
Lard, cash, trcs., Chicago lb. .15 - —
Larkspur seed, bgs lb. .20 - .25
Laurel berries, bls lb .25 - .26
Leaves, Greek, bls lb. .08 - .08½
Turkish, bls. lb. .11 - .11½
Yugoslavian, bls. lb. .08½- .09
Lauryl chloride, dms., works, frt. equald lb. .711 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb .55 .60
ordinary, bls. lb. .16 - .20
select, bls lb .60 .65
Lead acetate, white, crystals, bbls., lb. .19 - —
gran., bbls. lb. .19¾- —
powd., bbls lb. .19¾- —
USP, cryst., dms lb. .21 - —
gran., powd., dms lb. .21¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over lb. .25 - —
l.c.l., frt. alld lb. .26 - .27
1-lb. bgs., c.l., frt. alld lb. .37½- —
l.c.l., frt. alld lb. .38½- .39½

Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.

Blue, basic sulphate, bbls., c.l., ship't point, frt. alld lb. .12½- —
l.c.l., works lb. .13½- —
Carbonate (see Lead, white).
Chloride, dms. lb. .39 - —
Iodide, NF V, jars lb 3.30 - —
Linoleate 6lq 13% Pb dms., frt. alld lb. .29¼- —
Metal, pigs, prime, N. Y lb. .1200- —
St. Louis lb. .1180- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .27½- —
10,000-20,000 lbs., same basis lb. .28 - —
2,000-10,000 lbs., same basis. lb. .28½- —
200 to 2,000 lbs., same basis lb. .29 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd lb. .15 - —
24% Pb, dms., dlvd lb. .20¼- —
37% Pb, dms., dlvd lb. .26½- —
Nitrate, bbls., c.l lb. .19 - —
l.c.l. lb. .19¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .38 - .39
Phthalate, dibasic, dms., works. lb. .37½- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .15 - —
l.c.l., same basis lb. .16 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Resinate, precip., dms., dlvd lb. .25½- —
Salicylate, normal, dms., works lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .14¾- —
Stearate, dibasic, dms., works lb. .50¼- —
precip. obls., c.l. lb .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate)
tribasic, dms., works lb. .24¼- —
Tallate, liquid, 16% Pb, dms. lb. .12½- —
solid, 30% Pb, dms lb. .19¼- —
White, basic carbonate, bgs., c.l., ship't point, frt. alld lb. .14¾- —
l.c.l., same basis lb. .15¾- —
basic silicate bgs., c.l., ship't point, frt. alld lb. .13¾- .16¼
l.c.l., same basis lb. .14¾- .17¼
basic sulphate bgs., c.l., ship't point, frt. alld lb. .13¼- —
l.c.l., same basis lb. .14¼- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .13½- —
l.c.l., same basis lb. .16½- —
unbleached, c.l., same basis lb. .12½- —
l.c.l., same basis lb. .15½- —
Lemon peel, bls lb. .18 - .20
Leucine dextro-laevo, dms., works lb 28.00 -35.00
Licorice extract, mass, cns lb. .40 - .45
powd., bbls. lb. .55 —
Root, bls lb. .08 .09
5-lb bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06½
Lime, agricultural, bgs., works ton.13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ton.10 50 - —
Bellefonte, Pa. ton.10.50 - —
Buffalo N Y. ton 10.00 - —
Carey, Ohio ton 7.00 - —
Cedar Hallow Pa ton.10.50 - —
Farnams, Mass ton 14.00 - —
Gibsonburg, Ohio ton 8.50 - —
Hannibal, Mo ton 7.50 - —
Keystone Ala ton 9.75 - —
Knoxville Tenn ton 9.75 - —
Limedale Ark ton 9.00 - —
Longview, Ala. ton 9.75 - —
Martinsburg W Va ton.10.00 - —
Menominee, Mich ton 8.00 - —
Mitchell, Ind. ton. 7.50 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 7.50 - —
Sherwood Tenn ton.10.00 - —
Sherwood, Wis ton 8.50 - —
Woodville, Ohio ton 9.50 - —
York, Pa ton.10.50 - —
Hydrated, paper bgs., Adams, Mass ton.11.50 - —
Annville, Pa ton 13.50 - —
Bellefonte, Pa ton 13.50 - —
Buffalo, N. Y ton.13.50 - —
Carey, Ohio ton 9.00 - —
Cedar Hollow, Pa ton.13.50 - —
Engle, W. Va. ton.13.00 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton 9.50 - —
Hannibal, Mo ton 9.50 - —
Keystone, Ala ton 13.00 - —
Knoxville, Tenn ton 12.25 - —
Limedale, Ark ton 10.50 - —
Longview, Ala ton.13.00 - —
Manistique, Mich ton 9.50 - —
Lime, hydrated, paper bgs., Marblehead, Ohio ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Petoskey, Mich ton 10.00 - —
Port Island, Mich ton. 9.00 - —
Rapid City, S. Dak. ton 12.00 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 9.00 - —
Sherwood, Tenn. ton.13.00 - —
Sherwood, Wis ton 10.00 - —
Springfield, Mo. ton 9.00 - —
Woodyville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —
Spray, paper bgs, Adams, Mass. ton.11.70 - —
Annville, Pa ton 13 50 - —
Bellefonte, Pa ton 13.50 - —
Carey, Ohio ton.11.00 - —
Engle, W. Va ton.13.00 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton 10.00 - —
Marblehead, Ohio ton 10.00 - —
Rockland, Me ton 10.00 - —
Scioto, Ohio ton 10.00 - —
Woodville, Ohio ton 10.00 - —
York, Pa ton.13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd. bgs. works ton 3.50 4.00
Linalool, ex bois de rose lb. 5.45 - 5.90
ex lignaloe wood lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots lb. 5.50 - 6.00
96-98%, bots. lb. 6.35 - 7.25
ex petitgrain bots lb 4.25 6.00
Lindane, 25%, ens., works lb. 3.00 3.05
dms., works lb 2.95 —
Linden flowers with leaves, bls. lb. .22 25
without leaves, bls lb. 22 28
Linseed meal, expeller, 34% bulk, Midwest mills ton.68.00 - —
extracted, 34%, same basis ton.68.00 - —
Litharge, com'l, powd. bbls., c.l., ship't point, frt. alld lb. .13¾- —
l.c.l., same basis lb. .14¾- —
Lithium benzoate, dms lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 2.00 - —
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .93 - —
Citrate, NF, bbls., dms., kgs lb. 1.05 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, dms., works lb.14.00 -18.50
Hydroxide, monohydrate, dms lb. .90 - 1.25
Salicylate, dms lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .06½- —
l.c.l., dlvd. lb. .07¼- .07½
Titanated (high-strength), bgs., c.l., dlvd lb. .08½- —
l.c.l., dlvd. lb. .09½- —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .70 - .75
Lobelia herb, bls lb. .80 - .85
leaves, NF lb. .85 - .90
Lobeline sulphate, bots., works oz.34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb 17½- —
No. 3, bbls. l.c.l. lb 17 - —
No. 4, bbls. l.c.l. lb 16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb 31 - —
No. 3, bxs. l.c.l lb 28½- —
No. 4, bxs., l.c.l. lb 28 - —
No. 5, bxs. l.c.l lb 26½- —
No. 6, bxs., l.c.l. lb 44½ 49½

. . . use that and cut material costs with no sacrifice in quality

This remarkable new pigment—Basic Silicate White Lead "45 X"—cuts paint-making costs because it takes fewer pounds to turn out the same number of gallons. At the same time, it gives users all the well-known advantages of white lead: durability...flexibility...adhesion.

Study the upper photomicrograph at right. It shows how the reactive basic portion of each particle of Basic Silicate White Lead "45 X" is concentrated at the surface . . . thus providing all the advantages of lead pigments plus the higher bulk resulting from lower specific gravity.

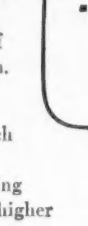
In addition, this new pigment is a highly efficient paint film stabilizer. As such, it contributes to the self-cleaning properties of multiple-pigment house paints.

Basic Silicate White Lead "45 X" has been adopted by many paint manufacturers. To see why, get the whole story of this entirely new pigment concept . . . backed by laboratory and outdoor exposure tests . . . from a National Lead Company representative. Write or phone our nearest office.

"Save the Surface and You Save All"

NATIONAL LEAD COMPANY

New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Philadelphia 25; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6; (National Lead Co. of Mass.).



Photomicrograph of Basic Silicate White Lead "45 X" particles, showing concentration of reactive white lead compound on surface.

Photomicrograph of characteristic lead soap formation produced with Basic Silicate White Lead "45 X," showing the effective action of the particle.

DUTCH BOY* *Basic Silicate* **WHITE LEAD "45 X"**

*Reg. U. S. Pat. Off.

Lovage Root—Methylcellulose

Lovage root, imported, bls ..... lb. 1.00 - 1.10
Lupulin, tins ..... lb 1.95 2.00
Lycopodium, cs. ..... lb. 1.30 - 1.50
Lysine hydrochloride, dextro-laevo, fib. 145.00 149.00

M

Mace, Amboyna, bls ..... lb. No prices.
Banda, No. 1, bls ..... lb. No prices.
Siauw, No. 1, bls ..... lb. 1.15 - 1.20
West Indian, bls ..... lb. 1.10 - 1.12
broken, bls ..... lb. 1.03 - 1.05
Madder Dutch bgs ..... lb .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - .31
USP, light ctns ..... lb. .34 - —
heavy, bbls ..... lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars ..... lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
t.c.l., frt. alld ..... lb. .10 - —
bbls., c.l., frt. equald ..... lb. .10¼ - —
l.c.l., frt. alld ..... lb. .11¼ - —
kgs., c.l., frt. equald ..... lb .11½ - —
l.c.l., frt. alld ..... lb. .12½ - —
USP, bgs., c.l., frt. equald lb. .10¾ - —
t.c.l. frt alld ..... lb. .11¾ - —
bbls., c.l., frt. equald ..... lb. .11¼ - —
t.c.l., frt. alld ..... lb. .12¼ - —
kgs., c.l., frt. equald ..... lb. .12½ - —
t.c.l., frt alld ..... lb 13½ - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Magnesium, chloride, anhyd., dms., works lb. .12¼ - —
flake, bbls., c.l., works ..... ton.45.00 - —
l.c.l., works ..... ton.49.00 -51.00
Gluconate, dms., cns ..... lb. 1.88 - 1.93
Glycerophosphate dms. works.lb 4.85 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms. lb 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 99.8% ingots, cs., works.lb. .22½ - —
sticks, cs., works, frt. alld. on c.l. basis lb. .39 - —
Oleate, fused, bbls ..... lb. .31 - —
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works ... lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works ..... lb. .09 - .10
Stearate, ctns., c.l ..... lb. .35 - —
smaller lots ..... lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms. 1,000-lb. lots lb. .43 - —
100-lb lots ..... lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif. ton.67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ton.33.00 - —
Maleic anhydride, dms., c.l., dlvd., lb. .30 - —
t.c.l., dlvd. ..... lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls ..... lb t.60 - 1.25
Blue, bls. ..... lb .85 - 1.10
Leaves, bls. ..... lb. .30 - .35
Mandrake root, bls ..... lb. .40 - .43
Manganese acetate, bbls. ..... lb. .32 - —
Arsenate, bgs ..... lb. .12 - .12½
Borate, tech., bbls ..... lb. .23 - —
Carbonate, bbls., works ..... lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .22
Manganese dioxide, African, battery, 84-87%, bgs., works 100 tons, less ton.78.00 - —
smaller lots, works ton.84.00 -94.00
Gluconate, dms., cns ..... lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.15 - 4.60
Hydrate, bbls., works ..... lb. .34 - —
Hypophosphite, NF, dms ..... lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼ - —
solid, precip., 8.2% Mn, bbls., lb. .41½ - —
Metal, cs., dlvd. East ..... lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. alld lb. .22¾ - .23¼
Oleate, precip. bbls ..... lb. .33½ - —
Resinate, fused, 3½% Mn, dms. precip., dms ..... lb. .21½ - —
Stearate, ctns., c.l ..... lb. .35 - —
smaller lots ..... lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton.66.00 - —
l.c.l., dlvd. S. E ..... ton.73.00 - —
feed grade, 80%, bgs., dlvd., S. E lb. .05¼ - .07
75%, bgs., c.l., dlvd. S. E ton.76.00 - —
l.c.l., dlvd. S. E ..... ton.83.00 - —
Tallate, liquid, 4% Mn, dms .. lb. No prices.
solid, 8% Mn, dms ..... lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ..ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock ..ton.60.00 -61.00
Manna, flake, large, cs ..... lb. 1.10 - 1.35
small, cs ..... lb. .85 - 1.00
Mannitol, com'l, dms., works.....lb 40 - .43
reagent, 50-lb. dms., works....lb .85 - —
Marjoram, Argentine, bls ..... lb. .14 Nom.
Bohemian, bls. ..... lb. .34 - .34½
Chilean, bls. ..... lb. .34 - .34½
French, bls., afloat ..... lb. .45 - .46
Peruvian, bls. ..... lb. .38 - .39
Matico leaves, bls ..... lb. .25 - .33
Melamine, bgs. ton lots, works.. lb. .33 - —
500 lbs. or more, works..... lb. .33½ - —
less 500 lbs., works..... lb. .38½ - —
Menadione, USP, bots ..... gram. .06½ - —
Menthol, natural, USP, bots ..... lb.12.60 -12.70
synthetic, USP, racemic, cns.... lb 7.25 Nom.
Menthyl salicylate, tins ..... lb 4.00 4.25
Mercaptobenzo thiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide bgs., fib. dms., ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate)
Bisulphate, dms. ..... lb 2.13 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd., fib. dms lb 3.27 - 3.32
Iodide, red, NF, dms ..... lb 4.07 - —
yellow, NF, fib. dms ..... lb 4.22 - —
Meta (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. ..... lb 2.44 2.46
Mesityl oxide, dms., c.l., dlvd..lb. .13¼ - —
l.c.l., dlvd. ..... lb. .14 - —
tanks, dlvd ..... lb. .11½ - —
Metaldehyde, dms., works..... lb. .78 - 1.00
Metachloranilin, dms., works ..lb .75 - —
Metacresol, 98%, dms., c.l., works.lb. .55 - —
t.c.l., works ..... lb. .56 - —
Metaparaisopropylphenol, dms., c.l. lb .21 - —
t.c.l. ..... lb .22 - —
tanks ..... lb .20 - —
Metanitroparatoluidin, bbls..... lb. 1.28 - 1.44
Metaphenylenediamine, kgs..... lb. .84 - —
Metatoluidine, bbls. works .... lb. .80 — —
Metatolylenediamine, kgs..... lb. .94 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld. gal. .68 - —
l.c.l., frt. alld..... gal. .79 - —
tanks, frt. alld..... gal. .60 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, zone 1, dms., c.l., frt. alld gal. .38 - —
l.c.l., frt alld..... gal. .41 - .43
tanks, frt. alld ..... gal. .26 - —
zone 2, dms., c.l., frt. alld. gal. .43½ - .45
l.c.l., ex whse..... gal. .46½ - —
tanks, frt. alld ..... gal. .29½ .31

Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, same basis. lb. 3.00 - —
97%, same basis..... lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works .lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
t.c.l., same basis lb. .17½ - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 ..lb. .17¼ - —
t.c.l., same basis lb. .17¾ - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Methylacetoacetate, dms., c.l., dlvd...lb. .53 - —
t.c.l., dlvd..... lb. .54 - —
tanks, dlvd..... lb. .51½ - —
Methyl acetoacetate prices frt. alld. W. 4c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld gal. .60 - —
t.c.l., same basis ... gal. .71 - —

Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.

Group B dms., incl., E. Miss., frt. alld., any quantity gal. .80 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W ..... gal. .57 - —
t.c.l., works, frt. alld. E gal. .56½ - —
frt. alld W..... gal. .60½ - —
tanks, works, frt. alld. E gal. .43½ - —
frt. alld W .. gal. 47 — —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - —
Alconol (see Methanol)
Anthranilate, cns., 100 lbs. or more lb. 2.10 - 2.90
extra cns. ..... lb. 4.00 - 4.40
Benzoate, cns ..... lb. .55 - 1.20
Bromide, dealers, cns..... lb. .69 - .71
cyls. lb .60 .78
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit, works....lb. .13½ - —
single-unit works ..... lb. .11 - —
refrigerator mfrs., cyls., dlvd lb. .39 - .48
other consumers or service men, cyls., dlvd..lb. .49 - —
Cinnamate, cns. ..... lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .25½ - —
l.c.l., works ..... lb. .26½ - —
tanks, works ..... lb. .24½ - —
Formate, refd., dms..... lb. .35 - .46
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works ..... lb. .07 - —
Iodide, bots., works..... lb 3.65 - 4.78
cbys., works ..... lb. 2.80 - 3.00
Lactate, dms. t.c.l., works lb. .35 - —
Methacrylate, dms., c.l. and truckload, works lb. .44½ - —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms ..... lb. 1.90 - 2.00
Roseanilin chloride, USP, bots lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs.. lb. .42 - .45
cans, 25-50 lbs..... lb. .47 - .50
Testosterone, USP, 100 gms... gm 3.50 —
Methyltheptin carbonate, bots ...lb.35.00 -58.00
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
t.c.l., works ..... lb. .12 - —
tanks, works ..... lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .14¼ - —
l.c.l., dlvd..... lb. .15¼ - —
tanks, dlvd..... lb. .12½ - —
Ketone, dms., works..... lb. 1.05 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., works, lb. .68 - —
2,000 lbs. and more, same basis lb. 70 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .87
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .61 - —
2,000 lbs. and more, same basis lb .63 —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .70

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Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots, kgs., same basis lb 3.02 - 3.22
Chloride indust. dms., c.l., dlvd. E lb. .12 - —
t.c.l., dlvd. E lb. .13½ - —
tanks, dlvd. E lb. .11½ - —
Methylethyl ketone, dms., c.l., dlvd. lb. .10¾ - .11¼
t.c.l., dlvd lb. .11½ - .12¼
tanks, dlvd lb. .09 - .10
Methylionone, A, cns lb 6.55 - 8.80
D, cns lb 7.50 - 9.55
prime, cns lb 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .13¾ - —
t.c.l., dlvd. lb. .14½ - —
tanks, dlvd. lb. .12 - —
Methylnaphthyl ketone, cns lb 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone dms. dlvd. lb. 1.40 - 1.45
250 lbs., dms., dlvd. E. of Miss. lb. 1.51 - —
less than 250 lbs., dms., same basis lb. 1.71 - —
Methylthionine chloride (see Methylene blue).
Mica dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03⅞ - —
roofing, 20 to 80 mesh, works lb. .03⅝ - —
wet-grd., biotite, bgs. c.l., works, frt. alld., E lb. .05¾ - —
t.c.l., ex whse., or frt. alld. E lb. .06½ - —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾ - —
t.c.l., ex whse. or frt. alld. E lb. .06½ - —
paint or lacq., bgs. c.l., works, frt. alld., E lb. .07¼ - —
t.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
t.c.l. ex whse. or frt. alld. E lb. .07¾ - —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼ - —
t.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½ - —
t.c.l., ex whse or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies, 1c. higher
Milk powder skimmed, roller, bbls., c.l lb. .10½ - .10¾
spray, bbls., c.l lb. .12¼ - .12¾
Whole, roller, bbls., c.l lb. .28 - .33
spray, bbls., c.l lb. .28½ - .35¼
Sugar, crude, bgs., c.l., works lb. .16 - —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾ - —
200-1,800-lb. lots lb. .23¼ - —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾ - —
200-1,800-lb. lots lb. .27¼ - —
Molasses, blackstrap, tanks gal. .15 Nom.
New Orleans, tanks gal. .15 Nom.
Molybdate orange (see Orange molybdate)
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal 90% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .53 - —
technical, kgs., works, basis Mo. content lb. .50 - —
Monochlorobenzene, dms., c.l., frt. alld. as dlvd. lb. .03½ - —
t.c.l., same basis lb. .09½ - —
tanks, same basis lb. .07 - —
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine, dms. c.l., frt. alld. E lb. .27 - .28¼
t.c.l., same basis lb. .28 - .29¼
tanks, same basis lb. .25½ - .26¼
Monoethylamine, dms., c.l., frt. alld. E., basis 100% lb. .21¾ - —
t.c.l., same basis lb. .22¾ - —
tanks, same basis lb. .20 - —
Monoisopropylamine, dms., c.l., frt. alld. E lb. .24¼ - .25¼
t.c.l., same basis lb. .25¼ - .26¼
tanks, same basis lb. .22½ - .23½
Monomethylamine, 25%-40%, dms., c.l. works, basis 100% lb. .33 - —
t.c.l., same basis lb. .33½ - .38
tanks same basis lb. .31 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
t.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic)
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
t.c.l., works lb. .51 - —
tanks works lb. .49 - —
Morphine, cns. oz. 12.40 - 12.60
Acetate cns oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - 9.90
Hydrochloride, NF, cns oz. 9.90 - 10.00
Sulphate, USP, cns oz. 9.90 - 10.00
Morpholine, dms., c.l., works lb. .60½ - —
t.c.l., works lb. .61 - —
tanks, works lb. .59 - —
Mountain ash berries, bgs. lb. .65 - .75
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .16 - .19
Musk, natural, Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs., fib. dms. lb. 5.40 - —
25 lbs., cns lb. 5.50 - —
5 lbs., cns lb. 5.65 - —
Ketone, 100 lbs., fib. dms. lb. 4.95 - —
25 lbs., cns lb. 5.05 - —
5 lbs., cns lb. 5.20 - —
Xylol, 100 lbs., fib. dms. lb. 1.40 - —
25 lbs., cns lb. 1.45 - —
5 lbs., cns lb. 1.55 - —
Musk root bls lb. No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source lb. .07¼ - .07½
Dutch, yellow, bgs., futures lb. .13 - .13¼
English, yellow, bgs lb. .13 - .13½
Montana, brown, Sept.-Oct., bgs., source lb. .05 - .05¼
Oriental, Sept.-Oct., bgs., source lb. .05 - .05¼
yellow, Sept.-Oct., bgs., source lb. .08½ - .09
Washington, yellow, source, bgs. lb. .11 - .11½
Myrobalans, J1, assorted, ex dock. ton 52.00 - —
crushed, ex dock ton 76.50 - —
J2, ex dock ton 42.00 - —

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74° bgs., bbls., works, c.l., frt. equald lb. .07 - —
tanks, same basis lb. .0425 - —
Naphthalene, dom., crude, 70°, bgs., bbls., c.l., works, frt. equald lb. .0535 - —
t.c.l., same basis lb. .0560 - —
dms., c.l., same basis lb. .0630 - —
t.c.l., same basis lb. .07 - —
tanks, same basis lb. .0475 - —
refined, industrial, bbls., c.l., frt. equald lb. .09 - —
bgs., c.l., same basis lb. .08¼ - —
tanks same basis lb. .08 - —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .11 - —
cs., 50 lbs., c.l., same basis lb. .11¼ - —
1-lb. pkgs., c.l., same basis lb. .14 - —
Imported, crude, 78°, 100-ton lots lb. .03¼ - —
refined, 30,000-lb. lots lb. .09½ - —
smaller lots lb. .09¼ - .10¼
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y ton 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ton 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.05 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .52½ - .53½
Carbonate, bbls. dlvd lb. .57½ - .57¾
Chloride, bbls., dlvd lb. .27 - .27½
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .49¾ - .50¾
Metal, electro cathodes, cs lb. .48 - —
Nitrate, bbls., works lb. .26½ - .27½
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd lb. .20 - —
t.c.l., dlvd lb. .20½ - —
Nicotinamide, USP, dms., frt. adjusted kilo 11.00 - 11.30
Hydrochloride, dms., frt adjusted kilo. 10.50 - 10.80
Nicotine sulphate 40% 50-lb. dms., dealers frt. alld. over 70 lbs., dm. 49.40 - —
tins 10 lbs. dealers, frt. alld on cases of 6 tin. 10.45 - —
Nikethamide, bots., cbys lb. 5.60 - 5.75
Nitercake, bulk, works ton no stocks.
Nitrobenzene, dbl. dist., dms., c.l lb. .09 - .10
t.c.l. lb. .10 - .11
tanks lb. .08 - .09
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .28 - —
t.c.l., same basis lb. .29 - .31
18-25 cps., c.l lb. .30 - —
t.c.l., same basis lb. .31 - .33
250-400, 600-1,000 secs. c.l., same basis lb. .32 - —
t.c.l., same basis lb. .33 - .35
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis lb. .35 - —
t.c.l., same basis lb. .36 - .38
5-6, 40-60 secs., c.l., same basis, lb. .34 - —
t.c.l., same basis lb. .35 - .37

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., dlvd., E. of Rockies lb. .25 - —
Nitrogen solution, tanks, works, N. ton 115.00 - —
Nitrogenous process tankage, bulk, works, ammo., ship't unit-ton 3.90 - 4.00
Sewage sludge, bulk, works, unit ton 3.25 + 40
Nitromethane, dms., t.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane, 1, dms., dlvd., E. of Rockies lb. .23¼ - —
2, dms., dlvd., E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .26 - —
t.c.l., works lb. .27 - —
tanks, works lb. .25 - —
Nutgalls, Aleppo, bgs lb. .36 - —
Chinese, bgs lb. .32 - —
Istrian, bgs lb. .31 - —
Nutmeg, East Indian, broken, limed, bgs lb. .53 - .53¼
whole, shrivels, bgs lb. .51 - .52
110's, cs lb. .53 - .54
shipment, cs lb. .50 - .50¼
West Indian, bgs lb. .36½ - .37
futures lb. .37 - .38
Nux vomica bls. lb .10 - .12
powdered, bbls., bxs lb .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C. industrial grade, group 3, dms., c.l gal. .19 - —
t.c.l. gal. .21 - .60
tanks gal. .15½ - —
10°C., b.r. Bayonne, N.J., tanks gal. .16½ - —
Octanol, normal, tech., dms., c.l., dlvd lb. .34½ - —
t.c.l., dlvd lb. .36½ - —
tanks, dlvd lb. .32 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb .83 - —

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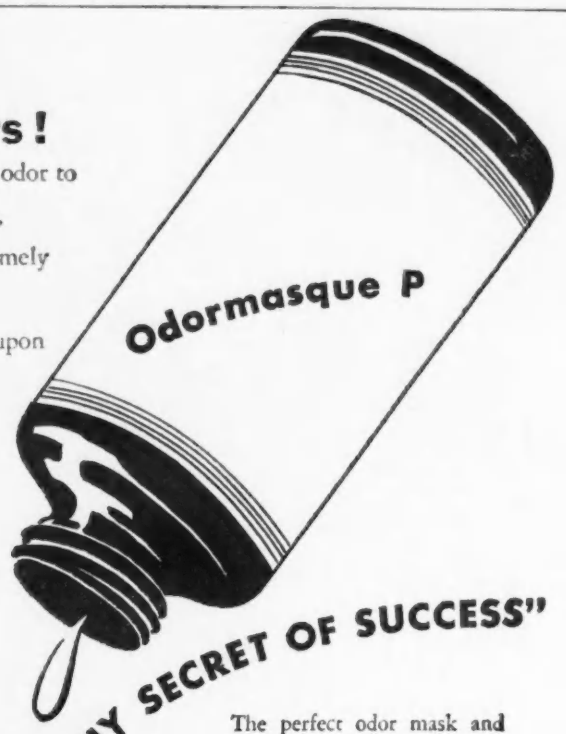

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Oil, Abies Siberica—Oil, Rue

Oil, abies siberica, cns lb. 2.85 - 3.50
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots lb. 3.25 - 5.00
NF, bots lb. 3.00 - 3.75
sweet, dms., cns lb. .50 - .85
Allspice (see Oil, pimento).
Amyris, dms lb. 1.65 - 1.70
Angelica root, bots lb.110.00 -190.00
seed, bots lb.100.00 - —
Anilin (see A).
Anise, USP, Chinese, dms lb. 1.15 - 1.60
Apricot kernels, USP, dms lb. .42½- .58
Avocado, cns., dms lb. 1.00 - 1.10
Babassu, crude, tankcars lb. .18 - —
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.05 - 1.50
55-60%, cns lb. 1.20 - 1.50
West Indian, 50-55%, cns., dms lb. 1.12 - 1.15
Bergamot, artif., cns lb. 1.50 - 3.50
natural, NF, Italian, cns lb. 4.50 - 5.15
Birchtar, crude, cns lb. 80 - 1.76
rectified, NF, cns lb. 3.95 - 4.25
Bois de rose, Brazil lb. 3.50 - 3.90
Mexican (see Oil, lignaloe wood)
Bone, dms., works gal. .65 - .70
Cajeput, tech., dms lb. 1.85 - 1.95
redistilled, USP, cns lb. 2.35 - 4.50
Calamus cns lb 20 00 -28 00
Camphor, sassafrassy, dms lb. .20 - .60
white, dms. lb. .23 - .60
Cananga, native, cns lb. 4.25 - 4.80
rectified, cns lb. 5.10 - 6.00
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns lb. 3.10 - 4.00
Cardamom, NF, bots lb.55.00 -63.00
Cassia, USP, cns lb. 3.15 Nom.

Oil, castor, blown, dms., c.l lb. .2250- —
dms., l.c.l lb. .22 - —
dehydrated, bodied, dms., c.l lb. .2425- —
l.c.l. lb. .24¾- —
tanks lb. .2325- —
unbodied, dms., c.l lb. .2325- —
l.c.l. lb. .2375- —
tanks lb. .22 - —
hydrogenated, dms., l.c.l lb. .2925- —
No. 3, tech., dms., c.l lb. .1975- —
l.c.l. lb. .2025- —
tanks lb. .1875- —
Sulphonated, 50% (48% fat), dms. lb. .12 - .14
75% (60-62% fat), dms lb. .15¾- .16¾
tech., No. 1, Brazilian, tanks lb. .16 - .16¼
USP, standard, dms., c.l lb. .2050- —
l.c.l. lb. .21 - —
tanks lb. .1950- —
refined and deodorized, dms., c.l lb. .2175- —
l.c.l. lb. .2250- —
Cedarleaf, dms lb. 2.00 - 2.15
Cedarwood, cns. lb. .45 - .55
dms. lb. .32 - .50
Celeryseed, bots lb.15.75 -17.50
Chaulmoogra, NF, cns., dms lb. .55 - 70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots lb.20.00 -60.00
Leaf, Ceylon lb. 1.35 - 1.50
Citronella, Ceylon, cns lb. 1.20 - 1.40
Java-type, cns. lb. 1.60 - 2.10
Clove, USP from buds, cns., dms. lb. 1.80 - 2.10
Coconut, crude, tanks, Atlantic ports lb. .16¾- —
Pac. Coast lb. .16 - —

Oil, coconut, refined, Cochin type, tax incl., dms., l.c.l lb. .23¼- —
deodorized, tax incl., dms., l.c.l lb. .25½- —
Cod, Newfoundland, dms lb. .09 Nom.
Codliver, USP, dms lb. 1.45 - 1.55
Coriander, USP, bots lb.21.00 -26.50
Corn, crude, tanks, works lb. .17¼- —
foots, acid, 95%, tanks dlvd. E lb. .08 - —
raw, 50%, tanks, dlvd. E lb. .03 - —
refined, dms., New York lb. .2390 Nom.
tanks, same basis lb. .2190 Nom.
Costus, bots oz.21.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb. .16¾- —
foots, acid 95%, tanks dlvd. E lb. .06 - —
raw, 50%, tanks, dvld. E lb. .02½- —
refined, dms lb. .22½- .22¾
tankcars lb. .23½- .24
Creosote (see Creosote, coaltar)
Croton, cns lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 6.00 - 7.50
Cumin, bots lb. 4.50 - —
Cypress, bots lb 11 00 -15.00
Degras (see D).
Dillseed, India, bots lb. 6.25 - 7.75
Dillweed, domestic, bots., dms lb. 5.00 - 6.00
Dip (see D).
Erigeron, cns. lb. 5.75 - 6.00
Eucalyptus, rectified, 80-90%, cns. lb. .65 - .98
70-80%, cns. lb. .55 - .83
Fennel, USP, cns lb. 2.45 - 3.25
Fir, Canada, cns lb. 1.75 - 2.15
Fishliver, crude, for feeds for centrating, 6,000 to 12,000 A units, dms 1,000,000 units. .09 - —
15,000 to 20,000 A units, dms. 1,000,000 units. .09½- —

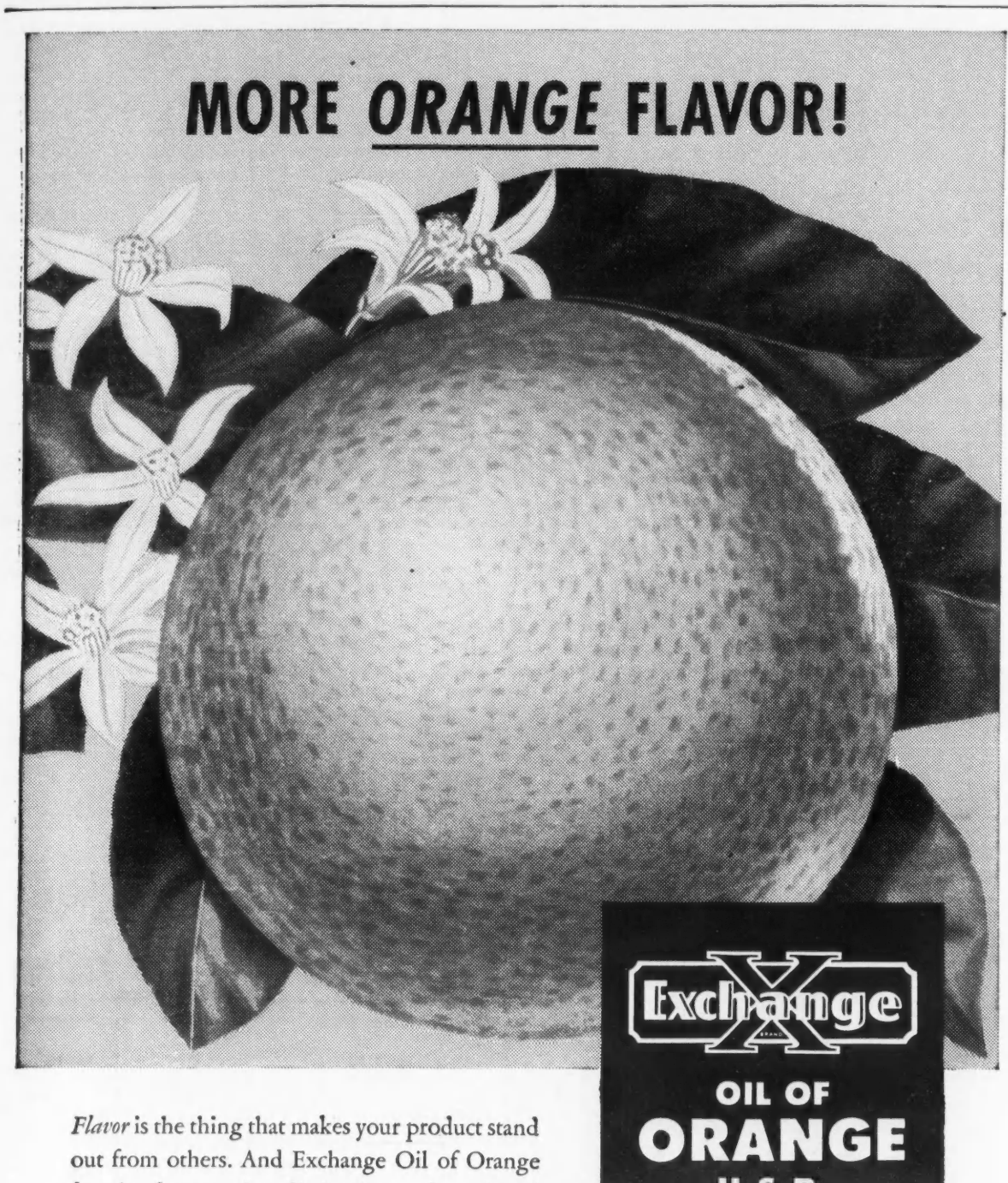
Oil, fishliver, crude, for feeds, 25,000 to 35,000 A units, dms. 1,000,000 units. .10 - —
40,000 to 55,000 A units, dms. 1,000,000 units. .10½- —
Market prices on crude fishliver oil dependent upon conversion factor
prime, natural, or concentrate, 100,000 A units, dms. 1,000,000 units. .15 - —
200,000 A units, dms 1,000,000 units. .16 - —
300,000 A units, dms 1,000,000 units. .16 - —
400,000 A units, dms 1,000,000 units. .17 - —
500,000 A units, dms 1,000,000 units. .17 - —
700,000 A units, dms 1,000,000 units. .17 - —

Prices above are based on the USP XIII method of conversion. E x 1894.

100,000 A units, dms 1,000,000 units. .16 - —
200,000 A units, dms 1,000,000 units. .17 - —
300,000 A units, dms 1,000,000 units. .17 - —
400,000 A units, dms 1,000,000 units. .18 - —
500,000 A units, dms 1,000,000 units. .18 - —
700,000 A units, dms 1,000,000 units. .18 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz. 7.25 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb.20.00 -22.50
Bourbon, cns lb.22.00 -24.00
Turkish (see Oil, palmarosa)
Ginger, dist., bots lb.22.00 -23.50
Grapefruit, dist., bots lb. .60 - .90
Grease, No. 1, dms lb. .14½- .14¾
extra, Winter, strained, dms lb. .15¾- .16¼
prime, burning, dms lb. .16¾- .17¼
Guaiacwood, cns lb. 1.75 - 1.90
Hemlock, cns lb. 1.80 - 2.10
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots lb. 3.00 - 3.25
twice rectified lb. 3.50 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots lb 9.75 -12.50
Lavandin, cns lb. 1.45 - 2.25
Lavender flower, French, 30-32% ester, cns lb. 2.25 - 3.25
38-42% ester, cns lb. 3.50 - 4.15
40-42% ester, cns lb. 3.65 - 4.75
Spike, Spanish, cns lb. 1.25 - 1.40
Lemon, USP, Calif., cns., dms lb. 3.35 - 3.75
Messina lb. 3.35 - 6.50
terpeneless, bots. lb.32.00 -65.00
Lemongrass, cns., dms lb. 1.85 - 2.50
Lignaloe, Brazilian (see Oil, bois de rose).
wood, Mexican, cns lb. 3.50 - —
Lime, distilled, Mexican, cns lb. 6.00 - 7.00
West Indian, cns lb. 6.50 - 7.25
expressed, West Indian, cns lb. 7.25 -13.75
terpeneless, bot lb.45.00 -65.00
Linseed, raw dms., c.l., Zone 3. lb. .1860- .1880
l.c.l. lb. .1940- .1990
tankcars lb. .1740- .1760
tankwagon lb. .1770- .1789
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms lb. 3.20 - 4.00
Mandarin, Floridian, dms lb. 1.60 - 1.75
Italian, cns. lb. 4.80 - 8.50
Mennagen, crude, tanks, Balto. lb. .10 Nom.
refined, alkali, dms lb. .1580- —
kettle-bodied, dms lb. .1680- —
light-pressed, dms lb. .1480- —
tanks lb. .1300- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene)
Mustard seed, expressed, dms lb. .22½- .23
synthetic, cns., dms lb. 1.40 1.70
Neatsfoot, 15°, dms lb. .32 - —
20°, dms. lb. .30 - —
30°, dms. lb. .26 - —
Neroli, NF, French, bots oz.125.00 -195.00
Haitian, bots lb.85.00 -90.00
Niaouli, cns. lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms lb. 3.10 - 3.75
West Indian, cns., dms lb. 3.35 - 3.60
Ocotea cymbarum, dms lb. .66 - .90
Oiticica, liquid, drums lb. .20½- .21
tankcars lb. .19½- —
Oleo, extra, dms lb. .16½ Nom.
Olibanum, bots lb. 5.50 7.65
extra fine, bots lb. 6.25 8.50
Olive, commercial, dms gal. 2.50 Nom.
edible, dms., duty paid gal. 2.75 - 3.00
foots, dms lb. .13½- .14
Orange, sweet, dist., cns lb. .25 - .60
expressed, USP, Brazilian, cns., dms lb. .95 - 1.25
Calif., cns lb. .75 - 1.25
Florida, cns., dms lb. .60 - 1.00
Messina, coppers lb. 2.90 - 5.50
West Indian, cns lb. 2.50 - 3.15
sesquiterpeneless, bots lb.55.00 -95.00
Origanum, Spanish, cs lb. 2.30 - 2.75
Palm, Congo, dms lb. .1375- —
tankcars lb. No stocks.
Palmarosa, cns lb. 7.10 -10.50
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery gal 11½ —
Patchouli, dms lb.20.00 -22.50
Peach kernel, USP (see Oil, apricot kernel)
Peanut, crude, tanks, Southeast lb. .19 - —
refined, dms lb. .25½ Nom.
tanks, New York lb. .23½ Nom.
Pennyroyal, USP, dom., cns lb. No stocks.
imported, cns. lb. 4.30 - 4.75
Peppermint, natural, dms lb. 6.05 - 7.25
redist., USP, dms lb. 6.35 - 7.65
Persic, USP (see Oil, apricot kernel)
Perilla, crude, dms lb. No stocks.
Petitgrain, Paraguay, cns lb. 1.80 - 2.55
Pimento berry, NF, dms lb. 4.00 - 5.75
leaf, cns lb. 1.40 - 1.70
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - —
l.c.l., works, South gal. .61 - —
ex whse., N. Y. C lb. .72 - —
steam-dist., dms., ex whse., nonret. dms., incl., l.c.l., ex whse., N.Y.C lb. .107 - —
Pineneedle, Siberian (See Oil, abies siberica).
Pitch, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Rapeseed, tankcars lb. .16½ Nom.
Red, saponified, dms lb. .16¾- .18
tanks lb. .15¼- —
single dist., dms lb. .17½- .18¾
tanks lb. .16 - —
double dist., dms lb. .20 - .21¼
tanks lb. .18½- —
Rice bran, clarif., dms lb. .15 Nom.
Rose, natural, Bulgarian, bots oz.24.00 -56.00
Rosemary, Spanish, tech., cns., dms lb. .80 - 1.50
USP, cns., dms lb. .85 - 1.20
Rue, bots lb. 2.50 - 3.00



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OIL OF
ORANGE
U.S.P.

Flavor is the thing that makes your product stand out from others. And Exchange Oil of Orange *has* the flavor...that distinctive and preferred taste unique to oranges grown in the sunny, sheltered valleys of California.

Try Exchange Oil of Orange for yourself. Give it all your tests for *quality, uniformity* and *strength.* You'll like it...and you'll buy it!

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.
Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Oil, safflower, dms., l.c.l. lb. .1825- —
tanks lb. .1550 Nom.
Sage, clary, bots lb. 12.50 -19.00
Dalmatian, cns lb. No stocks.
Spanish, cns. lb. 1.00 - 2.00
Sandalwood, NF, cns lb. 11.75 -12.50
Sardine, crude, tanks, Pac. coast.
lb. .10 - —
refined, alkali, dms lb. .1580- —
kettle-bodied, dms lb. .1680- —
light-pressed, dms lb. .1480- —
tanks lb. .13 - —
Sassafras, artificial lb. .52 - .78
natural, Brazilian (see Oil ocotea cymbarum)
domestic, USP, cns., dms. lb. 2.25 - 2.50
Savin, cns lb. 2.75 3.00
Savory, cns lb. 6.00 —
Seal, 2% acid duty extra, dms lb. No stocks.
Sesame, ref., dms., t.c.l. lb. .31 - —
Shingle stain bbls., c.l., works, gal. .27 - —
l.c.l., works gal. .30 - —
tanks, works gal. 19 - —
Snakeroot, Canada, cns lb. 19.25 -25.00
Soybean, crude, tanks, mills lb. .13⅝- —
foots, acid, 95%, tanks dlvd. E lb. .08¼- —
raw, 50%, tanks, dlvd. E lb. .03¼- —
refined, alkali, dms., c.l lb. .1725- —
l.c.l. lb. .1785- .1845
tanks lb. .1605- —
clarified, dms., c.l. lb. .1630- —
l.c.l. lb. .1695- .1745
tanks lb. .1515- —
edible, dms lb. .20 Nom.
tanks lb. .18 Nom.
Spearmint, USP, dms lb. 3.35 - 4.00
Sperm, bleached, winter, 45°, dms lb. .1520- .1570
tankcars lb. .1420- —
natural, winter, 45°, dms lb. .14 - .1470
tankcars lb. .13 - —
Spruce, cns., dms lb. 1.80 - 2.10
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, USP, Northern, cns. lb. 4.75 - 8.00
Southern, cns lb. 2.05 - 3.75
Tall, crude, tanks, works ton. 40.00 - —
refined, dms., c.l. works lb. .06 - —
l.c.l., works lb. .05¼- —
tanks, works lb. .05 - —
Tallow, acidless, dms lb. .13 - .13½
Tansy, dms. lb. 7.75 - 9.00
Tar, pine coml., dms., incl., c.l., works, South lb. .045 - —
l.c.l., works, South lb. .0473- —
whse., N Y C lb. .0593- —
tanks, works South lb. .035 - —
rectified, (NF), c.l. dms., incl., works South gal. .60 - —
Tar acid (see T)
Teaseed, dms. lb. No stocks.
Theobroma (see Cocoa butter)
Thyme, NF, red, cns., dms. lb. 1.65 - 2.45
white, cns lb. 1.85 - 2.85
technical, white, cns lb. .40 - 5.00
Tung, dom., tanks, mills lb. .24½ Nom.
imported, dms., c.l. lb. .26½- —
l.c.l. lb. .26¾- .27
tanks lb. .23¼- —
Turkey red (see Oil, castor, sulphonated)
Turpentine, NF, cns., dms lb. .21 - .35
Vetiver, Bourbon, cns lb. 14.25 -20.00
Haitian, cns lb. 13.00 -17.00
Java, cns lb. 22.00 - —
Whale, ref., natural, dms lb. No stocks.
Winter-bleached dms lb. No stocks.
Wheat germ 5-gal dms gal. 10.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .43 - .48½
l.c.l., same basis gal. .48 - .54½
65-75 vis., dms., same basis gal. .44 - .49½
l.c.l., same basis gal. .49 - .55½
USP, 80-90 vis., dms., c.l., same basis gal. .50½- —
125-135 vis., dms., c.l., same basis gal. .53 - .58½
l.c.l., same basis gal. .58 - .64½
145-155 vis., dms., c.l., same basis gal. .60 - .65½
l.c.l., same basis gal. .65 - .71½
175-185 vis., dms., c.l., same basis gal. .62 - .68½
l.c.l., same basis gal. .67 - .74½
200-210 vis., dms., c.l., same basis gal. .65 - .71½
l.c.l., same basis gal. .70 - .77½
335-345 vis., dms., c.l., same basis gal. .69½- .76
l.c.l., same basis gal. .74½- .82
Wintergreen, USP, nat., Northern, cns lb. 7.10 -18.00
Southern, cns lb. 3.75 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung)
Wormseed, NF, cns lb. 4.00 - 4.50
Wormwood, cns lb. 6.70 - 7.00
Ylang-ylang, Bourbon, bots lb. 12.00 -14.00
extra, bots lb. 17.00 -18.00
Madagascar, bots lb. 10.50 -10.75
Olein, crude (see Oil, red), white, low titre, dms lb. .20 - .21¼
tankcars lb. .18½- —
Oleostearin, bbls lb. .12 - —
Olivine, aggregate, c.l., mines ton 7.00 9.50
crushed, 8 mesh, bulk c.l. works ton. 10.00 —
paper bgs., c.l., works ton. 12.00 - —
Opium, USP, cns. lb 19 20 -19 45
gran., USP, cns. lb. 21.65 -21 90
powd., USP cns. lb. 21 65 -21.90
Orange cadmium lithopone bbls. frt. alld. E. of Rockies lb. 1.20 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Iowa, and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .25 - —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago

Chrome dinitroanilin toner lb 1.15 —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .1810- —
Molybdate lb. .40 - —
Persian, bbls lb. 30 - 45
Orange flowers, bls lb 40 45
Orange peel, bitter, Haitian, bls lb 13 15
Sweet, bls. lb. .15 - .18
Oregano, Mexican, bgs. lb. .16¼- .16½
Portuguese, bgs. lb. .16½- .17
Sicilian, bgs lb. .15½- .16
Orris root, Florentine, bls. lb. .18 - .20
powdered, bbls., bxs. lb. .23 - .24
Verona, bls lb. .15 - .18
powdered, bbls., bxs. lb. .19 - .24
Orthochloroanilin, dms., c.l., works lb. 32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .31 - —
Orthoanisidin, bbls lb. .80 - —
Orthochloroanilin, dms. 10,000 lbs. or more lb. 60 - —
smaller lots lb. 70 - —
Orthochloroparanitroanilin, dms., dlvd lb. .67 - —
Orthochlorophenol, dms., c.l., frt. equald. lb. .29 - —
l.c.l., same basis lb. .30 - —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald. lb. .178 - —
l.c.l., same basis lb. .181 - —
ret. dms., c.l., same basis lb. .165 - —
l.c.l., same basis lb. .168 - —
29° C, non-ret. dms., c.l., same basis lb. .168 - —
l.c.l., same basis lb. .171 - —
ret. dms., c.l., same basis lb. .155 - —
l.c.l., same basis lb. .158 - —
24-29° C, non-ret. dms., c.l., same basis lb. .148 - .168
l.c.l., same basis lb. .151 - .171
tanks, same basis lb. .135 - .155
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .09¼- —
l.c.l., same basis lb. .10¼- —
tanks, same basis lb. .07¾- —
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthoisopropylphenol, dms., c.l lb 29 - —
l.c.l. lb. 30 - —
tanks lb. 28 - —
Orthonitroanilin, dms lb 58 .53
Orthonitrochlorobenzene, dms lb. .18 - .19
Orthonitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol, cns lb 75 - —
Orthonitrotoluene, dms., c.l., works lb. .09 - —
l.c.l., works lb. .10 - —
tanks, works lb. .08 - —
Orthophenetidin, dms., works lb 90 - —
Orthotoluidin, dms., c.l., works lb. .21 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .20 - —
Osage orange crystals, bbls., l.c.l lb .53½ —
extract, liquid, bbls., l.c.l lb 15½- —
Orthotolidin, (see Tolidine Base).
Ouabaine, USP, nots gram 3.00 4.00
Ox gall, conc., gran., 5/6 dms., 5 lbs. and up lb 2.56 - —
Oxyquinolin sulphate, cns., 100 lbs. works lb 4.25 —
smaller lots, works lb 4.40 4.51

P

Pancreas substance, assay 1:75 lb 5.75 6.25
Pancreatin, USP lb 2.50 3.00
Panthenol, bots., works, frt. adjust kilo 90.00 —
Papain, powd., NF, cs lb. 3.50 - 4.00
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz lots oz 5.00 —
smaller lots oz 5.05 5.20
Sulphate, cns oz 7.10 7.35
Paprika, Chilean, bgs lb. .29½- .30
Portuguese, bgs lb. .39 .40
Spanish, bgs lb. .44 - .50
Para-anisidin, dms., works lb 80 —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 -21.00
Parachlorophenol, dms., c.l., frt. equald lb. .29 - —
l.c.l., same basis lb. .30 - —
Parachloroanilin, dms., frt. alld. E. Miss. lb 70 - —
Parachloro-orthonitroanilin, frt. alld. dms. lb. .63 - .70
Paracresol, 98%, dms., dlvd lb. .50 - —
Paracymene, dms., works, 50 gals. or more gal 2.50 —
smaller quantities gal 3.00 - —
Paradibromobenzene, bgs., 500-lb lots lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .12 - —
l.c.l., same basis lb. .14 - —

Oil, Safflower—Paraformaldehyde, 94-95%

Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb No prices.
121-123 ASTM, bbls., c.l., ref'y lb No prices.
126-128 ASTM, bbls., c.l., ref'y lb No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0635- —
122-124 ASTM, loose, c.l., ref'y lb .0635- —
125-127 ASTM, loose, c.l., ref'd lb. .0635- —
128-130 ASTM, loose, c.l., ref'y lb. .0640- —
130-132 ASTM, loose, c.l., refy. lb. .0645- —
132-134 ASTM, loose, c.l., ref'y lb. .0660- —

Paraffin prices in bgs and ctns 7-10c per lb higher; 1,000 to 9,999 lbs. 2.7c per lb higher, and under 1,000 lbs 3.7c per lb higher.

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd N Y lb. .15½ 16¾
10,000 lbs to c.l., same basis lb. .16½ 16¾
1,000-9,999 lbs., same basis lb. .17½ .17¾
less than 1,000 lbs., same basis lb. .19¼- .19⅛
94-95%, powd., dms., c.l., works lb. .13 - —
10,000 lbs to c.l., same basis, lb. .14 - —
1,000-9,999 lbs., same basis, lb. .15 - —
less than 1,000 lbs., same 135-137 ASTM, loose, c.l., ref'y lb .0795- —
basis lb. .17 —

● NOW... Longer Shelf Life for

U.S.P. White Mineral Oil

Sonneborn chemists have discovered that adding Vitamin E (Tocopherol) to mineral oil will make the oil much more stable—safeguarding it against the development of unpleasant taste or odor. This, of course, means longer shelf life for Sonneborn's new fortified mineral oil.

Yes, U.S.P. approves. A new amendment to the U.S.P. standards for liquid petrolatum authorizes the use of Vitamin-E-fortified mineral oil.

White Oil and Petrolatum Division, L. Sonneborn Sons, Inc., 300 Fourth Avenue, New York 10, N. Y.

Sonneborn
Leads through Research
WHITE OILS • PETROLATUMS • PETROLEUM SULFONATES

Paraformaldehyde, 91-92%—Petroleum Solvent, Stoddard

Paraformaldehyde, 91-92% flake, fib. dms., c.l., works lb. .11 - —
10,000 lbs to c.l., same basis. lb. .12 - —
1,000-9,999 lbs., same basis. lb. .13 - —
less than 1,000 lbs., same basis lb. .15 - —

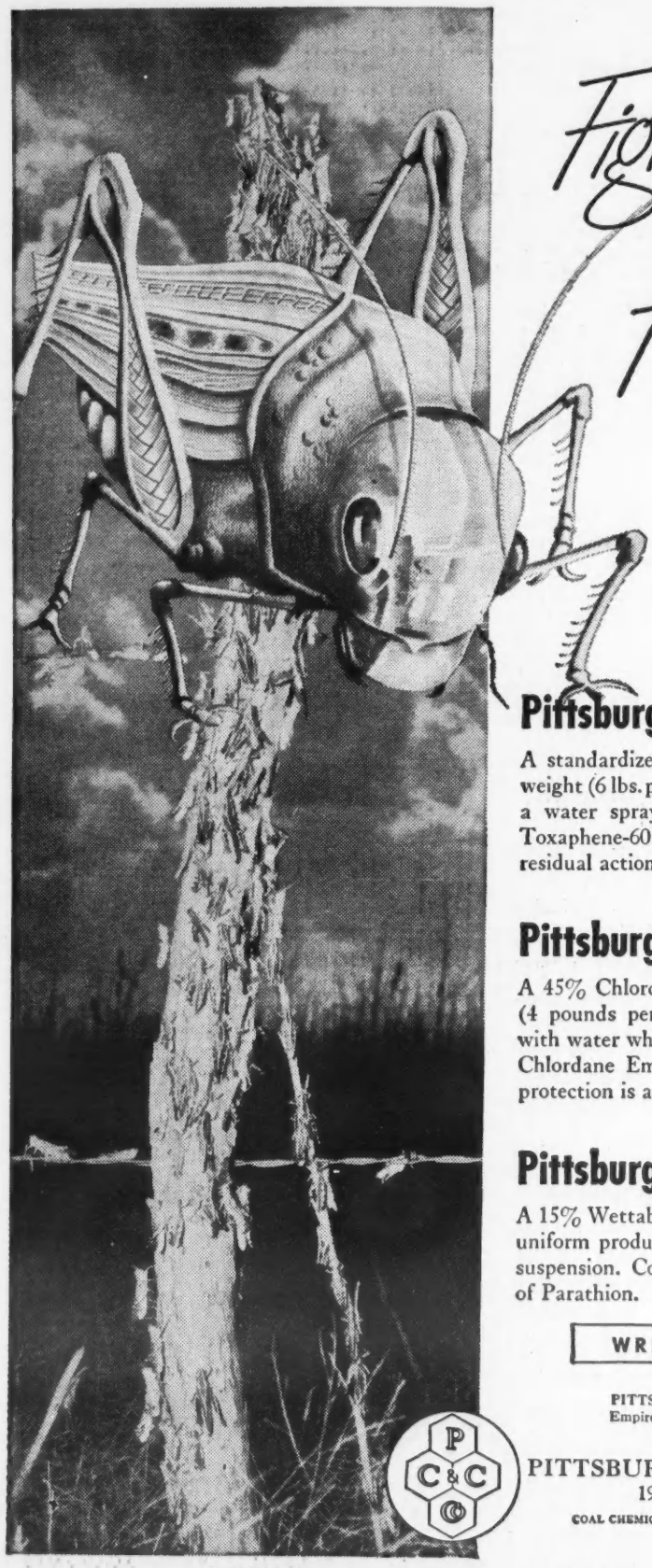
Quotations on 91-92%, flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

Paraldehyde, tech., 98% 55 gals., dms., t.c.l., works lb. .12½ .13¼
5-10-gal dms., t.c.l., works lb. .16½- —
tanks, works lb. .10½- —
USP, chys lb. .51 .53
Paranitroanilin, kgs., works lb. .46½- —
Paranitrochlorobenzene kgs. works. lb. .19 - .20
Paranitrophenol, kgs., works, frt. equald lb. .42 - —
Paranitrotoluene, kgs., works lb. .33 - —
Paraphenetidin, dms., works lb. .80 - —
Paraphenylphenol, bgs., c.l., works. lb. .30½- —
l.c.l., same basis lb. .31½- —
Paraphenylenediamine, redistilled, dms., works lb. 2.05 - —
technical, refined dms. same basis lb. 1.30 - 1.40
Paratertiaryhutylphenol, bgs., c.l., frt. equald lb .21 - —
l.c.l., same basis lb .22 - —
Parathion, spray powder, 15%, tins, dealers lb. .72 - —
tech., dms., works lb. 1.50 - 2.50
Paratoluenesulphonamide, bbls., works lb 70 —
Paratoluidin, bbls., works lb. .61 - —

Paretra brava root, whole, bgs lb. .30 - .31
ground, bxs lb. .35 - .37
powder, bxs lb. .38 - 40
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over lb. .33 - .37
l.c.l., same basis lb. .34 - .66
Passion flower nerb, bls lb. .35 - .40
Patchouli leaves, bls lb. No stocks.
Peanut meal, 45%, sacked, mills ton. 86.00 -87.00
Pectin, citrous, NF, powd., bbls lb 2.05 2.06
tech., powd., bbls lb 1.43 1.43
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units vl. .15½- —
500,000 units vl. .28 - —
1,000,000 units vl. .52 - —
2,000,000 units vl 1.00 - —
bulk, sterile, over 25,000,000,-000 unit lots 100,000 units. .04 - —
tablet grade, over 25,000,000,-000 unit lots 100,000 units. .03½- —
procaine, bulk, over 25,000,000,-000-unit lots 100,000 units. .04½- —
sodium, unlabeled, vials 100,000 units vl. .10¾- —
200,000 units vl. .16 - —
500,000 units vl. .30½- —
1,000,000 units vl. .57 - —
2,000,000 units vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —
Pennyroyal leaves, bls lb. .40 - .45
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .23 - .28
truckload, 20,000 lbs., min., same basis lb. .20¼- —

Pentaerythritol, tech., bgs., c.l., works lb. .29 - —
l.c.l., works lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3, gal .10½- .11½
Pepper, black, bgs lb. 2.45 - 2.50
Aug. shipment, bgs lb. 1.75 - 1.80
Aug.-Sept. shipment, bgs lb. 1.70 - —
Red, Carolina, tongs, bgs lb. .38 - .39
Oct.-Nov. delivery, bgs lb. .36 - .37
Ethiopian, stemless, bgs lb. .32½- .33
Haitian, bgs lb. .51 - .52
Hontaka, bgs lb. .55 - .56
Louisiana tongs, bgs lb. .38 - .38½
Mexican sports, bgs lb. .35 - .36
Mississippi sports, bgs., source lb. No stocks.
Nigerian, caps, bgs lb. .38 - .39
birdseye, bgs lb. .70 - .70½
Sierra Leone, bgs lb. .42 - .43
Sudanese, small, bgs lb. .42 - .43
Turkish, bgs lb. .24 - .25
White, futures, bgs lb. 2.90 Nom.
Peppermint, USP, dom., bls lb. .50 - .70
imported, bls lb. .80 - .90
Pepsin, NF bulk containers lb. 3.90 - —
Perchloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¾- —
l.c.l., same basis lb. .11½- —
tanks, same basis lb. .10¼- —
Perchloroethylene, dms., c.l., dlvd. E lb. .11½- —
l.c.l., dlvd. E lb. .12 - —
tanks, dlvd. E lb. .10½- —
Peru balsam, dms lb. .90 - 1.15
Petrolatum, USP, white, lily, dms., lb. .05 - —
l.c.l., same basis lb. .05⅝- —
cream, dms., c.l., same basis lb. .06 - —
l.c.l., same basis lb. .07¼- —
extra, amber, dms., c.l., same basis lb. .05¼- —
l.c.l., same basis lb. .05¾- —

Petrolatum, USP, white, lily, dms., c.l., same basis lb. .06⅛- —
l.c.l., same basis lb. .07⅛- —
snow, dms., c.l., same basis lb. .06⅛- —
l.c.l., same basis lb. .07⅛- —
soft, dms., c.l., same basis. lb. .06⅝- —
l.c.l., same basis lb. .07⅝- —
yellow, soft, dms., c.l., same basis lb. .06 - —
l.c.l., same basis lb. .06½- —
Petroleum, crude bulk, at wells. California bbl. 1.10 - 2.99
Illinois bbl. 2.44 - 2.87
Kentucky bbl. 2.42 - 2.83
Louisiana-Arkansas bbl. 2.08 - 2.90
Montana bbl 1.28 - 2.775
Oklahoma-Kansas bbl. 2.16 - 2.65
Pennsylvania lower field bbl. 3.46 - —
Upper field bbl. 3.89 - —
Texas, East bbl 2.65 - —
Gulf coast bbl 2.38 - 2.95
North, North-Central bbl 2.23 - 2.65
Panhandle bbl 2.23 - 2.65
West bbl 2.10 - 2.65
Wyoming bbl 1.28 - 2.875
Ether, laboratory, 30°-60° C. 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .28 - —
l.c.l., same basis gal. 44 - —
35°-60° C. 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. 44 - —
40°-75° C. 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. 44 - —
90°-160° C. ret. dms., ex tax, f.o.b San Francisco gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.40 - 1.60
light, tanks, refinery bbl. 2.05 - 2.10
eastern, tanks, Albany, N. Y. bbl. 2.35 - —
Baltimore, Md. bbl. 2.18 - —
Boston, Mass. bbl. 2.20 - —
Charleston, S. C. bbl. 2.13 - —
Jacksonville, Fla. bbl. 2.02 - —
New York, N. Y. bbl. 2.05 - 2.10
Norfolk, Va. bbl. 2.18 - —
Philadelphia, Pa. bbl. 2.18 - —
Portland, Me. bbl. 2.23 - —
Providence, R. I. bbl. 2.175 - —
Savannah, Ga bbl. 2.03 - —
Diesel, tanks, refinery, California gal. .095 - .10
Pennsylvania gal. .0875- .0925
Furnace, tanks, refinery, Arkansas, No. 2 gal. .0775- —
No. 3 gal. .07375- —
Bayonne, N. J., No. 2 gal. .081 - —
Group 3, No. 1 gal. .08 - .08625
No. 1, straw gal. .03 - .08625
No. 2, straw gal. .07375- .085
range gal. .08 - .0875
Pennsylvania, western, No. 1 gal. .095 - .09625
No. 2 gal. .09 - .095
No. 3 gal. .09 - .0925
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. 158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .17 - —
group 3, benzol-type, tanks, refinery gal. .12625- —
toluol-type tanks, refinery. gal. .11625- .11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14½- —
group 3, tanks gal. .10375- —
tankwagon, Baltimore gal. .18½- —
Boston gal. .17 - —
Buffalo gal. .17½- —
Newark gal. .16 - —
New York gal. .16 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .18 - —
Providence gal. .17½- —
Rochester gal. .19 - —
Syracuse gal. .20 - —
Washington, D. C. gal. .18½- —
Naphtha, cleaners, East Coast, tanks, N.J., N.Y., refinery. gal. .15 - —
Group 3, tanks gal. .11375- —
tankwagon, Newark gal. .15½- —
New York gal. .16 - —
Philadelphia gal. .15 - —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal gal. .21½- .23
25-26° C., m.a.p., tanks, same basis gal. .19½- .26
270-370 b.r., 78-81° C. m.a.p., tanks, same basis gal. .25 - —
49° C., m.a.p., tanks, same basis gal. .28½- —
26-27° C., m.a.p., tanks, same basis gal. .19½- .26¼
300-400 b.r., 28-32° C., m.a.p., tanks, same basis gal. .19½- .28¼
340-410 b.r., 27° C., m.a.p., tanks, same basis gal. .31 - —
32° C., m.a.p., tanks, same basis gal. .19½- —
36° C., m.a.p., tanks, same basis gal. .20½- —
340-440 b.r., 32° C., m.a.p., tanks, same basis gal. .27¾- .29
360-480 b.r., 25° C., m.a.p., tanks, same basis gal. .19½- —
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles. gal. .147 - —
Portland, Ore ... gal .158 - —
San Francisco... gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks. gal. .15½- —
Group 3, tanks gal. .11375- .11625
tankwagon, Boston gal. .18½- —
Newark gal. .17½- —
New York gal. .17½- —
Philadelphia gal. .17 - —
Pittsburgh gal. .19 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .16 - —
Group 3, tanks gal. .11375- —
Pennsylvania, western, tanks gal. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .195
East coast, N. J., N. Y., tanks. gal. .15 - —
Group 3, tanks gal. .10875- —



Fight him these 3 Pittsburgh ways!

Pittsburgh Toxaphene-60

A standardized liquid emulsifiable concentrate containing 60% by weight (6 lbs. per gallon) Toxaphene, specifically designed for use where a water spray application is adaptable and practical. *Pittsburgh* Toxaphene-60 spray concentrate possesses the advantages of marked residual action and is effective on a wide range of insects.

Pittsburgh 45% Chlordane

A 45% Chlordane emulsion concentrate containing 45% by weight (4 pounds per gallon) Chlordane, prepared especially for dilution with water where spraying applications are required. *Pittsburgh* 45% Chlordane Emulsion Concentrate with its residual action for long protection is an effective control for many insects.

Pittsburgh 15% Parathion

A 15% Wettable powder formulated under scientific control to give a uniform product with the ability to quickly disperse and remain in suspension. Consult local agricultural authorities concerning usage of Parathion.

WRITE TODAY FOR BULLETIN IP31

PITTSBURGH AGRICULTURAL CHEMICAL COMPANY
Empire State Building • 350 Fifth Avenue • New York 1, New York

Division of
PITTSBURGH COKE & CHEMICAL COMPANY
1955 Grant Building • Pittsburgh 19, Pa.

COAL CHEMICALS, ACTIVATED CARBON, NEVILLE COKE, EMERALD COAL, PIG IRON, GREEN BAG CEMENT, CONCRETE PIPE AND PRODUCTS

Petroleum solvent, Stoddard, tank-wagon, Boston ..gal. .17 - —
Newark ..gal. .16 - —
New York ..gal. .16 - —
Philadelphia ..gal. .14 - —
Pittsburgh ..gal. .18 - —
Syracuse ..gal. .20 - —
Sulphonate, 60-62% sulphonic content, ret. dms. c.l., works, lb. .15¾- —
l.c.l., works ..lb. .16¼- —
tanks, works ..lb. .14¼- —
50-55% sulphonic content, ret. dms., c.l., works..lb. .13¾- —
l.c.l., works ..lb. .14¼- —
tanks, works ..lb. .12¼- —
Phenobarbital, USP dms., 100 lbs. lb 4.00 4.35
Phenobarbital-sodium, USP dms lb. 4.00 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. lb. .1450- .1650
l.c.l., same basis..lb. .1525- .1725
tanks, same basis ..lb. .1275- .1475
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .1450- .1650
l.c.l., same basis..lb. .1525- .1725
tanks, same basis..lb. .1275- .1475
USP, synthetic, dms., c.l., same basis..lb. .17½- —
l.c.l., same basis..lb. .18 - —
tanks, same basis..lb. .15½- —
tar distilled, dms., c.l., same basis..lb. .15¼- —
l.c.l., same basis..lb. .16 - —
tanks, same basis..lb. .13½- —
Phenolphthalein USP or yellow bbls., dms., 2,000 lbs..lb. 1.10 - —
smaller lots..lb. 1.12 - 1.17
Phenothiazin NF fib. dms., 15,000 lbs., frt. adjusted lb. .44 - —
smaller lots, frt. adjusted lb. 46 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.45 - 2.70
100% bots lb 4.00 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 - —
smaller dms..lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb.30.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½- —
l.c.l., works ..lb. .35 - .36½
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis..lb. .68½- —
Phenylethyl acetate, dms..lb. 1.35 - 1.85
Phenylethylphenyl acetate, bots..lb. 3.75 - 4.20
Phenylhydrazin base, CP, bots..lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works..lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms., works, lb.13.75 -15.75
commercial fib. dms., works..lb. 5.50 - 7.00
tech., fib. dms., works..lb. 9.65 -10.75
Phosgene, 150-lb cyls., works..lb .20½- —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton.33.00 - —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.755 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.155 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.805 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.805 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.905 - —
finely ground, 63% b.p.l., basis 30% P_2O_5 minimum short ton. 4.92 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton 5.83 - —
plus or minus usual bonus adjustment clause for oil and tabor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5... long ton. 6.45 - —
30-29% P_2O_5 long ton. 7.21 - —
Phosphorus, red, amorphous, cs., works..lb. .42 - —
dms., works..lb. .39 - .40
Yellow, cns. ..lb. .30 - .37
dms., c.l ..lb. .26 - —
Oxychloride, dms., works..lb. .13 - .16
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works..lb. .12 - .13
Pentoxide, dms., c.l., works...lb. .12 - —
c.l., works ..lb. .13 - .14
Sesquisulphide, tins, cs., works, lb. .23 - .29
dms., export ..lb. .33½- .36
Trichloride, dms., c.l., works..lb. .13 - —
l.c.l., works..lb. .14 - .17
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .17½- —
l.c.l., same basis..lb. .18½- —
Bbls. ½c. per pound higher.
Phthalimide, bbls., works..lb. 1.10 - 1.37
Pichi leaves, bgs..lb. .06 - .10
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF, bots., vials..oz. 5.25 - —
Nitrate, USP, bots., vials..oz. 5.20 - —
Pimento, Jamaica, bgs..lb. .23 - .23¼
Pinetar, retort, dms., incl., c.l., works, South lb. .045 - —
l.c.l., same basis..lb. .0473- —
whse., N.Y.C..lb. .0595- —
tanks, works, South..lb. .035 - —
Pinkroot, bls..lb. 1.55 - 1.65
Piperidine, 95% wks., frt. equald. lb. 1.65 - —
98% dms., same basis lb 1.75 - —
Piperazine hexahydrate, bots...kilo12.50 -13.25
Pipsissewa herb (see Prince's pine).
Pitch, burgundy, dms. incl., 20 or more dms., works, South, 100 lbs. 7.16 - —
whse., N. Y. C..100 lbs. 8.08 - —
5 to 19 dms., works, South..100 lbs. 7.36 - —
whse., N. Y. C..100 lbs. 8.28 - —
1 to 4 dms., works, South..100 lbs. 7.61 - —
whse., N. Y. C..100 lbs. 8.53 - —
Coaltar, 150° F. m.p., bbls., c.l., works ton.34.00 - —
l.c.l., works ton.36.00 -37.00
Cottonseed, dms., works..lb. .05 - .07
Hardwood, paper bgs., c.l., works, lb. .62 - —
Linseed, dms. ..lb. .06 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse., East 100 lbs. 4.67 - —
Soybean, dms., works ..lb. .04½- .05
Plaster of paris (see Gypsum).
Platinum metal, works..oz.74.00 -77.00
Pokeroot, bls ..lb. .13 - .14
Pleurisy root, bls ..lb. .23 - .26
Podophyllin, NF dms..lb.12.45 - —

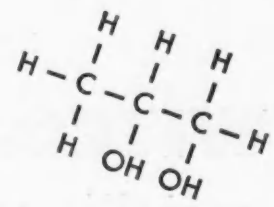
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works ... lb. .47 - .49
tristearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works..lb. .47 - .49
Polystyrene, colors, special, bgs., over 30,000 lbs. frt alld lb. .30 - .31
20,000-29,999 lbs. same basis lb. .31 - .31½
10,000-19,999 lbs. same basis lb. .31½- .32
200-9,999 lbs. same basis lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs. same basis lb. .31 - —
10,000-19,999 lbs., same basis, lb. .31½- —
200-9,999 lbs., same basis lb. .31½- —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs., same basis lb. .28 - .29½
10,000-19,999 lbs., same basis lb. .29 - .30½
200-9,999 lbs., same basis lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs., same basis lb. .28 - —
10,000-19,999 lbs., same basis lb. .29 - —
200-9,999 lbs., same basis lb. .29 - —
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root bark, bgs..lb. .68 - .70

Poppy flowers, bls..lb. .50 - 1.05
Seed, Czech, bgs..lb. .17 Nom.
Dutch, bgs..lb. .23½- .24
Polish, bgs..lb. .16 Nom.
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs.10.00 - —
l.c.l., works ..100 lbs.10.75 - —
liquid, 45% dms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works..100 lbs. 5.125 - —
tanks, works..100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works..100 lbs.10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis ..100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, dms..lb. .06 - —
Acetate, dms ..lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .20 .22
powd., dms ..lb. .22 .24
Bichromate, bgs., works..lb. .13¼- .14¼
Potassium bichromate in drums, ½c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works, ton.192.00 - —
ton lots, works ..ton.245.50 - —
less ton lots, works ...ton.250.50 - —
Bromate, bbls., 1,000 lbs. or more lb. .49 - —
25-200-lb. lots..lb. .61 - —
Bromide, USP, cryst., gran., bbls., kgs..lb. .34 - .35

Potassium carbonate, tech., calcined, bbls., c.l., works..100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85% bbls., c.l., works..100 lbs. 6.75 - —
dms., l.c.l., works ..100 lbs. 7.50 - —
USP, gran., bbls. dms lb 16½ .18
powd., bbls. dms ..... lb. .21 - .23
Chromate, tech., bgs..lb. .25 - .29
Chlorate, cryst., dms., c.l., works, lb. .089 - —
l.c.l., works ..... lb. .0915-.1015
powd., dms., c.l., works..... lb. .094 - —
l.c.l., works ..... lb. .0965-.1065
export, dms., 1 to 10 tons, ex whse lb 12 —
NF, gran. dms lb 31 .33
Chloride, USP, cryst., dms....lb. 26 - .27
gran., bbls .....lb 20 .22
powd., bbls .....lb 29 .32
Citrate, USP, gran., dms.....lb. .37½- .38½
powder, dms. ..... lb 40½ 41½
Cyanide, dms. works.....lb 52½- .55
Fluoride, dms. works.....lb 24 - —
Gluconate, dms. .....lb. 75 - .79
Glycerophosphate, 75% solution, cbys lb 2.05 2.20
Guaiacol sulphonate, NF, dms. lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 .93
Iodide, dms lb 1.95 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran., bbls lb .21 - —
powd., bbls lb .25 - —

More

CELANESE*



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Celanese* CHEMICALS

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ACIDS • ALCOHOLS • ALDEHYDES • GLYCOLS • KETONES • PLASTICIZERS • SOLVENTS

Potassium Muriate—Red, Iron Oxide

Potassium muriate, dom., 60% K_2O, bulk, Carlsbad, N.M. unit-ton. .40 - —
Trona, Cal. unit-ton. .48½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms. lb. .30 - .32
fine gran., bbls., dms. lb. .30 - .32
purified, dms. lb. .42 - .44
Perchlorate, dms., l.c.l. lb. .14 - .15
kgs., c.l., works lb. .13½- —
Permanganate, tech., dms., works, lb. .21¾- .22¾
USP, dms., works lb. .23½- .24
ex whse lb. .29 - —
Persulphate, dms., c.l., works lb. .17 - —
l.c.l., works lb. .21 - —
Phosphate, tetrabasic, bbls., wks. lb. .13 - .13½
Prussiate, red, kgs. lb. .60 - .63
yellow, bbls. lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .11 - —
Silicate, glass, bgs., c.l., works, ton. 200.00 - —
l.c.l. 100 lbs. 15.25 - —
solution, 29° Be, ret. dms., c.l., works. 100 lbs. 4.25 - —
l.c.l., 5 or more dms., works. 100 lbs. 5.00 - —
1-4, dms., works 100 lbs. 5.00 - —
62° Be, net, dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more dms., works. 100 lbs. 5.50 - —
1-4, works, dms. 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., 5 or more dms., 100 lbs. 6.50 - —
1-4, dms., works 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb. .07 - .08
Potassium sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min., 90%, works, ton. 34.50 - —
NF, cryst., bbls. lb. .31 - .33
gran., dms lb. .18¼- —
powder, dms. lb. .16 - .16¼
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms. lb. .75 - .81
tech., works lb. .45 - .50
Titanate, ctns., c.l., works lb. .12 - —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12½- .12¾
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works ton. 15.20 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium oxalate, bbls., kgs lb. .65 - .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Pregnenolone gm. 4.00 - —
Acetate gm. 4.00 - —
Prickly ash bark, bls. lb. .23 - .25
Berries, bgs lb. .55 - .75
Prince's pine herb, bls lb. .45 - .50
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 - 4.50
spot lb. 4.00 - 5.00
Progesterone, USP, 100 gms. gm. 4.50 - —
Propane, commercial grade, tanks, group 3 gal. .02¼- —
Propionaldehyde, dms., c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms. lb. 2.30 - 2.40
Propylene dichloride, dms., c.l. lb. .08½- —
l.c.l. lb. .09½- —
smaller containers lb. .12½- —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E. lb. .18½- —
l.c.l., frt. alld. E lb. .19½- —
tanks, frt. alld. E lb. .16½- —
Propyleneglycol NF, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
tech., dms., c.l., frt. alld. E lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
Methylether, dms., c.l., frt. equald, lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Propylthiouracil, bots., 50 kilos or more kilo. 55.00 - —
smaller lots lb. 55.10 - 55.30
Psyllium seed, black, bgs. lb. .17 Nom.
blonde, bgs lb. .23 - .24
husks, bgs lb. .65 - .66
Pulsatilla herb, bls lb. .45 - .50
Pumice, dom., grd. coarse, 0½, 1, 1½, 2, 3 bgs., ton lots, lb. .03¾- .04
Chicago, bgs., ton lots lb. .04½- —
smaller lots lb. .03¾- .04¼
Italian, silk-screen, coarse, bgs., ton lots lb. .05½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½- —
fine, bgs., ton lots lb. .02½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs lb. .18 - .26
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb. 11.00 - 11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc., odorless base, dms., works gal. 9.50 - —
regular base, dms., works, gal. 9.40 - —
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works. gal. 14.15 - —
regular base, dms., works, gal. 14.05 - —
flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 - .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., works, and frt. equald., c.l gal. 2.00 - 2.69
l.c.l gal. 2.00 - 2.72
refd., 2°, non ret. dms., c.l., same basis lb. .79½- —
l.c.l., same basis lb. .80 - —
Pyridoxine hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports long-ton. 8.00 - —
Pyrocatchin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton. 11.00 -11.50
230 mesh, bulk, c.l., mines ton. 12.00 -12.50
325 mesh, bulk, c.l., mines ton. 15.00 - —
No. 3, 200 mesh, bulk, c.l., mines, ton. 9.50 - —
insecticide grade, 200 mesh, bgs., c.l., mines ton. 12.00 -12.50
rubber grade 140 mesh, bgs., c.l., mines ton. 10.00 -10.50
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin, USP, bots lb. 9.54 - —
Scrap, opaque, amber, cs., works, lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .13 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .16 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works, lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .14 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —

Q

Quassia chips, bls. lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .14¾- .15
liq., 35% tannin, bbls., works, lb. .08 - .08½
tanks, same basis lb. .07½- —
clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 - —
powd., 70% tannin, bgs., c.l lb. .15½- —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. .08¾- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .14 - .15
Quercitron crystals, bbls., l.c.l. lb. .33½- —
Extract, liquid, bbls., l.c.l. lb. .14½- —
solid, bxs lb. .28 - —
Quicksilver, flasks (76 lbs.) net, 100 flask lots flask. 80.00 Nom.
smaller lots flask. 80.00 - —
Quince seed, bgs lb. .90 - 1.50
Quinidine, NF V, cryst., cns. oz. 1.90 - —
powd., precip., cns oz. 1.85 - —
Sulphate, USP, cns oz. 1.25 - —
Quinine, NF, cns., 100 ozs oz. .70 - —
Bisulphate, USP, cns., 100 ozs. oz. .51 - —
Dihydrochloride, USP oz. .70 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. .75 - —
Hydrobromide, NF, cns., 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF, cns., 100 ozs. oz. .76 - —
Salicylate, NF, ctns., 100 ozs. oz. .66 - —
Sulphate, USP, cns., 100 ozs. oz. .56½- —
Quinine-urea hydrochloride, NF, cns lb. .68 - —
Quinolin, dms., c.l., frt. equald. lb. .50¾- .51¼
l.c.l., same basis lb. .51¼- .51¾
tanks, same basis lb. .50 - —

R

R salt, paste, dry basis, dms. lb. .70 - .83
Raspberries, dried, bbls lb. 1.60 - 1.70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.45 - 2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.80 - —
light shade, bbls., same basis. lb. 3.65 - —
medium shade, bbls., same basis lb. 3.75 - —
medium-light shade, bbls., same basis lb. 3.70 - —
orange shade, bbls., same basis lb. 3.30 - —
lithopone, deep shade, bbls., same basis lb. 1.45 - —
light shade, bbls., same basis lb. 1.30 - —
maroon shade, bbls., same basis lb. 1.55 - 1.65
medium shade, bbls., same basis lb. 1.40 - —
medium-light shade, bbls., same basis lb. 1.35 - —
orange-red shade, bbls., same basis lb. 1.25 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.40 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .11½- 11¾
Iron oxide, synth., bgs. lb. .11¾- .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa.; E. St. Louis lb. .05¼- .09¼
special, high color, all shades lb. .60 - —

WITCO-made metallic soaps ...*1st* choice for protective coatings

The versatility of Witco's heavy metal stearates, oleates, naphthenates and octoates in the field of *protective coatings* is indicated by these typical industry applications:

—**stearates** for viscosity pick-up, pigment suspensions, flatting, waterproofing and sanding

—**driers** for rapid top and through dry of all films requiring catalytically induced oxidation and polymerization reactions

—**processing aids** for pigment wetting and grinding

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Aluminum Octoate
Asphalt
Asphalt Specialties
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- Rust Preventives
- Sound Deadeners
- Vibration Dampeners

Carbon Blacks
Copper Oleate
Copper Naphthenate
Driers
- Lead Naphthenate
- Cobalt Naphthenate
- Calcium Naphthenate
- Manganese Naphthenate
- Zinc Naphthenate
- Iron Naphthenate
- Lead Octoate
- Cobalt Octoate
- Calcium Octoate
- Manganese Octoate
- Zinc Octoate

Lead Resinate
Lead Oleate
Manganese Oleate
Metallic Stearates
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- Barium
- Cadmium
- Calcium
- Lead
- Lithium
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LOS ANGELES • BOSTON • CHICAGO • HOUSTON • CLEVELAND
SAN FRANCISCO • AKRON • LONDON AND MANCHESTER, ENGLAND

Red, Lake C toner alizarin, bbls., works..lb. 1.05 • —
Lithol toner, bbls., works.....lb. .65½- .80
Lithol-rubin toner, alizarin lake, bbls., works.....lb. 1.40 • —
Maroon, alizarin lake, 25%, kgs., works lb. .40 • .43
toner, bbls., works.....lb. 1.35 • 1.50
Cadmium, deep, bbls., works lb. 1.20 • —
regular, bbls., works.....lb 1.10 • —
Iron oxide, bgs., l.c.l., works lb. .04 • —
MNPT toner, kgs., works..lb. 3.25 • —
Maroons in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works.lb. 2.00 • —
smaller lots, works.....lb 2.02 • —
Metallic, bbls., works.....lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works...lb. .06¾ .07
Para toner, bbls.....lb. .69½- .80
chlorinated, kgs.....lb. .95 1.05
concentrated alizarin lake, kgs., works lb .80 • —
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 • —
Pink lake, alizarin, bbls., works lb. .20 • .25
Purple lake, kegs.....lb. 1.35 • —
Rose lake, alizarin, bbls., works.lb. .25 • .28
Spanish oxide, grade 1, bbls., c.l., ex dock..lb. .05½- .05¾
l.c.l., ex dock..lb .05¾ .06
ex whse., New York...lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock.....lb. .05½- .05¾
ex whse., New York lb. .06¼ —
Toluidin toner (MNPT), kgs., works lb. 1.01 1.30
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., frt. equald.....lb. .24½ .25
Venetian, 15%, bgs., works....lb. .0350- —
20%, bgs., works.....lb. .0360- —
25%, bgs., works.....lb. .0410- —
30%, bgs., works.....lb. .0440- —
35%, bgs., works.....lb. .0465- —
40%, bgs., works.....lb. .0490- —
Vermilion, Amer., bbls.....lb. .32 • —
Quicksilver, ctns.....lb. 2.27 • —
Red Precipitate, NF, powd., fib. dms..lb. 2.19 • 2.21
Red saunders wood, powd., bbls lb. .50 • —
Rennin, NF.....lb. 6.50 • —
Resorcinol, resin grade, dms., c.l., works..lb. .71 • —
l.c.l., works.....lb. .72 • —
tech., dms., c.l., works.....lb. .74 • —
l.c.l., works.....lb. .75 • —
USP, cryst., dms., works.....lb. 2.50 • —
powd., dms., works.....lb. 2.70 • —
Monoacetate, NF, dms.....lb 3.25 • 3.45
Rhatany root, bgs.....lb. .15 • .16
Rhubarb root, China, whole, cs..lb. .70 • .80
powd., bbls.....lb. .80 • .90
India, whole, bgs.....lb. .55 • .60
powdered, bbls.....lb. .62 • .67
Riboflavin, USP, bots., dlvd....kilo.125.00 • —
Readily soluble, bots., dlvd...kilo.125.00 • —
Rice bran concentrate, dms., Cedartown, Ga lb. .79 • —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs..lb. .27½- —
smaller lots.....28 • .33
Rose flowers, pale, bls.....lb. 35 • .40
Rosemary flowers, bls.....lb. 1.55 • 1.65
Leaves, French, bls.....lb. .12 • .12½
Portuguese, bls.....lb. .07 • .07½
Spanish, bls.....lb. .06½- .07
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works.100 lbs. 3.50 • —
FF, dms., c.l., works ...100 lbs. 4.60 • —
G, H, I, dms., c.l., works 100 lbs. 5.41 • —
K, dms., c.l., works.....100 lbs. 5.41 • —
M, dms., c.l., works.....100 lbs. 5.41 • —
N, dms., c.l., works.....100 lbs. 5.46 • —
WG, dms., c.l., works....100 lbs. 5.54 • —
WW, dms., c.l., works..100 lbs. 5.71 • —
X, dms., c.l., works.....100 lbs. 5.81 • —
Rotenone, CP, bbls., works.....lb.20.00 • —
tech., works.....lb.16.50 • —
Rottenstone, bgs., c.l., mines....ton.36.00 • —
l.c.l., mines.....ton.43.00 • —
Rue herb, bls.....lb. .35 • .40
Rutin, 10 kilos, fib. dms.....gram. .03½- .04½
smaller lots, fib. dms.....gram. .04 • .05
Ryania, 100% powd., bgs., works .lb. .20 • —

S

Sabadilla seed, powd., bbls....lb. .70 • —
activated ground with lime, bbls lb. .40 • —
Saccharin, USP gran., soluble, dms., 1,000-lb. lots..lb. 1.50 • —
smaller tots.....lb. 1.60 • 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb. 1.55 • —
smaller lots.....lb. 1.65 • 1.85
Safflower, Egyptian, bls.....lb. .75 • .80
Saffron, Mexican, bls.....lb. .95 • 1.00
Spanish, USP, tins.....lb.17.50 -18.00
Safrol, dms.....lb. .85 • 1.10
Sage, Cyprus, bales.....lb. .12 • .13
Dalmatian, bls.....lb. 1.25 • 1.30
Greek, fancy, bls.....lb. .23 • .25
Spanish, bls.....lb. .12 Nom.
Syrian, bls.....lb. .17 • .17½
Sago flour, bgs.....lb. .07 • .07½
Saligenin, ctns.....lb.14.00 -25.00
Salol, NF, gran., bbls., kgs.....lb. 1.00 • —
fib. dms.....lb. 1.02 • 1.03
powdered salol 10c. higher
Salt, rock, burlap bgs., c.l..100 lbs. .98 • —
l.c.l.....100 lbs. 1.19 • 1.22
paper bgs., c.l.....100 lbs. .88 • —
l.c.l.....100 lbs. 1.09 • 1.12
Table, vacuum, common, fine, bgs., c.l., works 100 lbs. 98 • 1.08
t.c.l., dlvd. .... 100 lbs. 1.20 • 1.32
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis..ton.15.00 • —
Saltpeter, cryst., bbls., 10 tons. 100 lbs.13.90 • —
smaller tots .....100 lbs.14.15 -14.40
gran., bbls., 20 tons.....100 lbs. 9.25 • —
smaller tots .....100 lbs.10.50 -11.00
powd., bbls., 20 tons.....100 lbs.10.25 • —
smaller tots .....100 lbs.11.50 -12.00
NF, gran., dms.....lb. 15¾- .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 • .66
powd., dms.....lb. .75 • .76
Sanguinarine nitrate, bots.....oz. 4.75 5.50
Santonin, NF, cryst., powd., cns.kilo. No stocks.
Saponin No. 1, cns.....lb. 2.45 —
Sarsaparilla root, dom., bls.....lb. .30 • .40
Honduras, bls.....lb. .40 • .45
Mexican, bls.....lb. .28 • .30
Sassafras bark, ord., bls.....lb. .35 • .40
select, bls.....lb. .50 • .55
Savory, French, bls.....lb. .11 • .11½
Spanish, bls.....lyb. .10 • .10½
Saw palmetto berries, bgs.....lb. .23 .24
Scammony resin, lump, cns.....lb. 1.95 • 2.20
powd., cns.....lb. 2.05 • 2.30
Root, bgs.....lb. .11 .14
Schaeffer's salt, bgs.....lb. .73 • —
Scopolamine hydrobromide, bots oz.16.00 -17.00
Hydrochloride, bots.....oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs lb. .25¾- —
smaller lots.....lb. .26¼- —
dms., 100 lbs. or less.....lb. .27¼- .31¼
Selenium, powd., cns., 10-lb lots..lb. 2.35 • —
cs., 1,000-lb lots.....lb. 2.25 • —
Senega root, bls.....lb. 1.70 • 1.80
Senna leaf, Alex., half-leaf, bls..lb. .16 • .18
sifting, bgs.....lb. .16 • .18
Tinnevelly, No. 1, bls.....lb. .20 • .24
No. 2, bls.....lb. .16 • .20
No. 3, bls.....lb. .12 • .13
powdered, bls., bxs.....lb. .20 • .24
Pods, bls.....lb. .12 • .15
Serpentaria root, bls.....lb. 2.20 Nom.
Sesame seed, Chinese, white, natural, afloat, bgs..lb. No prices
hulled, bgs.....lb. .17½- .18
Nicaragua, hulled.....lb. .21 • .25
natural, bgs.....lb. No prices
Salvadorean.....lb. .13 Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots..lb. .49½- —
bbls., 1,500-lb. lots.....lb. .50 • —
kgs., 1,500-lb. lots.....lb. .52 • —
refined, bgs., 1,500-lb. lots....lb. .59½- —
bbls., 1,500-lb. lots.....lb. .60 • —
kgs., 1,500-lb. lots.....lb. .62 • —
Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs.....lb. .47 • .48
No. 2, bgs.....lb. .45 • .46
Superfine, bgs., 10 bgs.....lb. .43 • .44
TN, bgs., 10 bgs.....lb. .41 • .42
Shellac in 1 to 9 bgs., 1c. more.
Silica amorph., dry-grd., 325 mesh, bgs., c.l., fill. works ton.20.00 -30.00
t.c.l., works.....ton.25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton.20.00 • —
t.c.l., works.....ton.25.00 • —
140 mesh, bgs., c.l., works.. ton.12.00 • —
t.c.l., works.....ton.17.00 • —
Tetrachloride, tech., dms., c.l., works..lb. .14¼- —
t.c.l., works.....lb. .18½- .20½
Silver bullion, ingots, cs.....oz. .72¾- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .66¾- —
1,000-oz. lots.....oz. .66⅝- —
500-oz. lots.....ob. .66⅞- —
100-oz. lots.....oz. .67⅛- —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .46½- —
1,000-oz. lots.....oz. .47¾- —
500-oz. lots.....oz. .48½- —
250-oz. lots.....oz. .48¾- —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .93 • —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 • —
Simaruba bark, bls.....lb. .85 Nom.
Skullcap herb, Eastern, bls.....lb. .60 • .65
Western, bls.....lb. .30 • .35
Skunk cabbage root, bls.....lb. .30 • .35
Slate flour, bgs., c.l., works....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 -60.00
Sloe berries, bgs.....lb. .32 .35
Smalt, black, ctns.....lb. .11½- —
Blue, ctns.....lb. .15½- —
Snakeroot, Canada, bls.....lb. .45 • .50
Soapbark, bls.....lb. .22 • .23
crushed, bls., bbls.....lb. .26 • .28
cut, foreign, bbls.....lb. .25 • .26
powd., bbls.....lb. .27 • .28
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.45 • —
l.c.l., stock points....100 lbs. 2.85 • 4.62
bbls., c.l., works.....100 lbs. 1.95 • —
l.c.l., stock points....100 lbs. 3.35 • 5.12
bulk, c.l., works....100 lbs. 1.20 • —
light, 58%, paper bgs., c.l., works..100 lbs. 1.35 • —
l.c.l., stock points....100 lbs. 2.75 • 4.52
bbls., c.l., works.....100 lbs. 1.85 • —
l.c.l., stock points....100 lbs. 3.25 • 5.02
bulk, c.l., works.....100 lbs. 1.10 • —

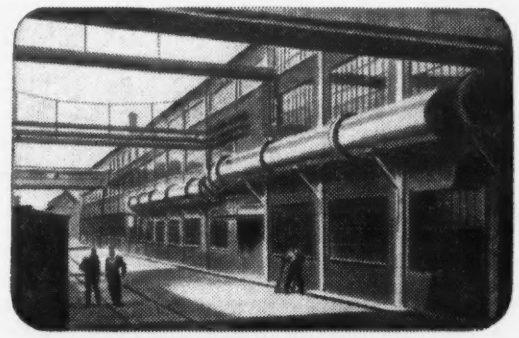
Red, Lake C Toner—Sodium Benzoate

Soda, caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.60 • —
l.c.l., stock points....100 lbs. 4.95 • 6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 • —
rayon-type, tanks, works, dry basis 100 lbs. 2.50 • —
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 • —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 • —
solid, 76%, dms., c.l., works, 100 lbs. 3.20 • —
l.c.l., stock points....100 lbs. 4.55 • 6.42
Sal, bgs., c.l., ex car.....100 lbs. 1.58 • —
l.c.l., bgs., ex whse....100 lbs. 1.78 • —
Soda-lime, USP, dms.....lb. .23 • .28
Sodium acetate, anhyd., dms., works lb. .10 • .11½
NF, cryst., bbls., works.....lb. .16 • —
powder, bbls., works.....lb. .08 • .09
Alginate, refined, water soluble, bbls., works lb. .79 • —
semi-refined, bbls., works lb. .46 • —
NF, white, powd., dms., works, ton lots lb. 1.25 • —
Aluminate, 20,000 lbs. or more, bgs..100 lbs. 8.50 • —
under 20,000 lbs., works.100 lbs. 9.50 • —
Antimoniate, bbls., c.l., dlvd. E. lb. .23¼- —
t.c.l., dlvd.....lb. .24¼- —
Arsenate, dealers, dms., c.l., works, lb. .12 • —
Arsenite, dealers, dms., works lb. No stocks.
solution, dms., works.....gal. .60 • 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 • —
USP, bbls., dms., 100 lbs. or more lb. .46 • —
smaller lots.....lb. 1.30 • 1.68

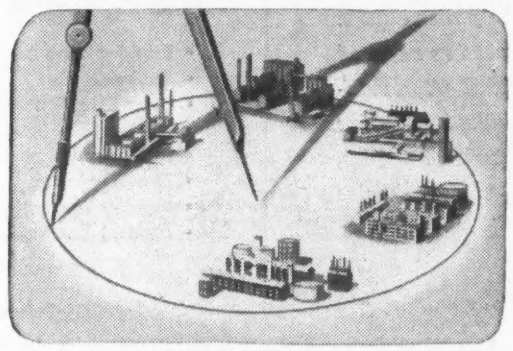
Look for the hidden "extras"

When you specify Solvay in ordering chemicals, you get many advantages that may not be immediately obvious. These hidden "extras" help make your business operate more smoothly, more efficiently . . . and, in many cases, more economically.

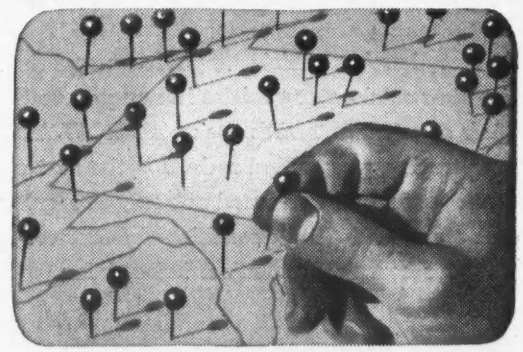
1 TO HELP YOU WORK out problems—and to offer advice on the proper use, handling and storing of alkalies—there's Solvay "Industry-Wise" Technical Service . . . a corps of skilled technicians with expert knowledge of individual industries, including *your* industry.



2 SOLVAY'S LONG EXPERIENCE as America's first alkali manufacturer—totaling almost seven decades—assures you of chemical products *exactly* the way they should be.



3 SOLVAY'S FIVE HUGE plants—situated where American industry is centered—guarantees a steady supply of the materials you need.



4 THE CONVENIENT, coast-to-coast locations of Solvay's 200 sales offices and warehouses make prompt delivery another feature.

SOLVAY
TRADE-MARK REG. U.S. PAT. OFF.

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Boston • Charlotte • Chicago • Cincinnati • Cleveland
Detroit • Houston • New Orleans • New York
Philadelphia • Pittsburgh • St. Louis • Syracuse

Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Nytron • Sodium Bicarbonate • Specialty Cleansers • Ammonium Bicarbonate • Sodium Nitrite • Para-dichlorobenzene • Ortho-dichlorobenzene • Methanol • Monochlorobenzene • Ammonium Chloride • Formaldehyde

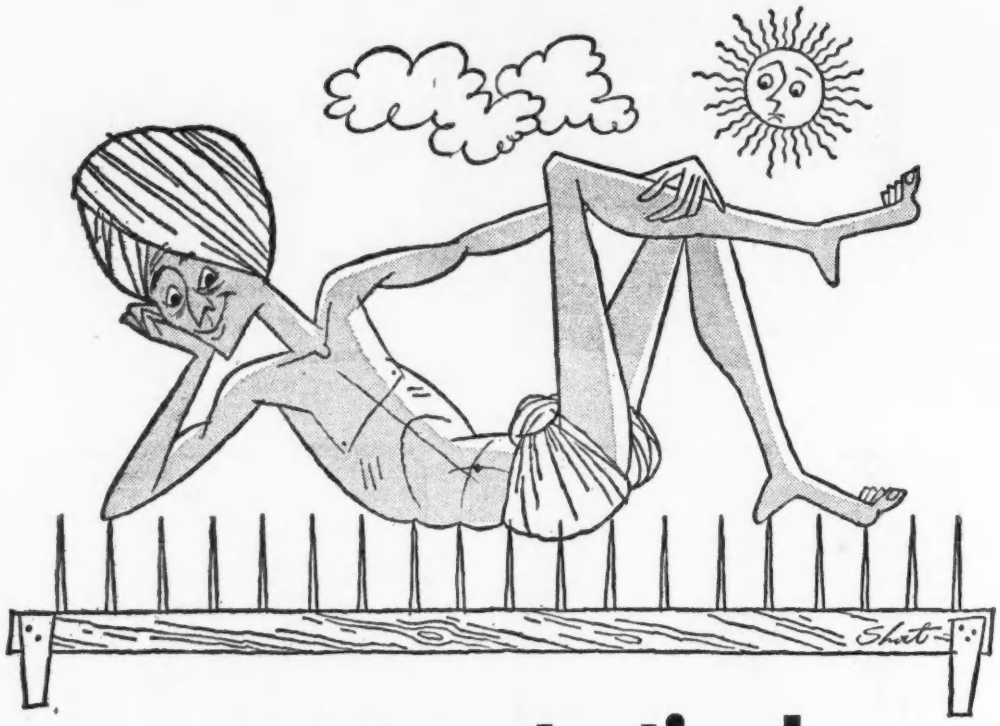
Sodium Bicarbonate—Sodium-Zirconyl Sulphate

Sodium bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.35 - —
l.c.l., works 100 lbs 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works 100 lbs 2.60 - —
Bichromate, bgs., works lb. .09¾- .10¼
Sodium bichromate, in drums, ¾c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis lb. .13½- —
Bisulphate, bulk, c.l., works 100 lbs. 1.75 - —
dms., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs 2.90 - —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.75 - —
l.c.l., works 100 lbs 4.00 - —
solut. 35° bbls., c.l., works 100 lbs. 1.10 - —
l.c.l., works 100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .34 - .35
Cacodylate, NF, jars, dms lb. 7.00 - 8.00
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs., c.l., works..100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.75 - —
Chlorate, cryst., ams., c.l., works lb. .06 - —
l.c.l., works.....lb. .06¾- —
powd., kgs., works.....lb. .09½- —
Chloride, tech. (see Salt), USP, dms.....lb. .21 - —
Chlorite, tech., dms. works lb. 75 - —
Chloroacetate, tech. dms., c.l., works lb. .20 - —
l.c.l. dms. works lb. .21 - .22
Chromate, dms., works.....lb. .11½- .12½

Sodium citrate, anhyd, dms.....lb. .60 - .65
USP VIII, dms .....lb. .21½- .26⅛
USP XIII, gran., dms .....lb. .28 - .32
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works. lb. 1.10 - —
smaller lots, works..... lb. 1.25 - —
Cyanide, 96-98%, dms. .....lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works lb. .11½- .12½
anhydrous, dms.. works lb. .14 - .15½
Fluoride, white, 90%, bbls., c.l., works. lb. .10¼- —
l.c.l., works lb. .10¾- .11
95%, bbls., c.l., works. lb. .10¾- —
l.c.l., works lb. .11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
tribasic, ton lots lb.11.00 - —
Formate, bgs. c.l., dlvd....100 lbs. 7.10 - —
l.c.l. 100 lbs 8.15 - —
Gluconate, dms. lb .83 .85
Glutamate, monobasic, dms., c.l., dlvd lb. 1.53 - —
smaller quantities, dlvd lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. lb 1.70 1.85
solution, 75%, cbys..... lb .96 - 1.06
Hydride, dms., works ..... lb. 2.00 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld lb. .21½- .23½
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb .23 —

Sodium hypophosphite, NF, ton lots and less, dms..lb. .85 - .88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area... 100 lbs. 4.10 - —
tech., cryst., bgs., c.l., works, frt. equald..100 lbs. 3.75 - —
l.c.l., same basis .100 lbs. 4.10 - —
pea, bgs. .....100 lbs. 3.90 - 4.85
gran., bgs., c.l., works...100 lbs. 4.00 - —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
Us: see Sodium thiosulphate).
Iodide, USP, bots., dms ..lb. 2.47 - 2.59
Lactate, edible, 50%, dms., cbys., works. lb. .19 - —
60%, dms., cbys., works lb. .24 - —
tech., 50%, dms., cbys., works. lb. .13 - .14
Metaborate, octa-hydrate gran., bgs., c.l., works ton.73.00 - —
l.c.l., works ton.118 00 -123.00
tetrahydrate c.l., bbls., works. ton.184.50 —
Sodium metaborate in bbls. $20 per ton higher.
Metal, tanks, works.....lb. .16 - —
bricks, dms., works.....lb. .17 - .18
Metanilate, bgs. (100% basis)..lb. .57 - —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.60 - —
l.c.l., dms., works.....100 lbs. 4.85 - —
pentahydrate, bgs., c.l., works. 100 lbs. 3.50 - —
l.c.l., bgs., works .100 lbs. 3.90 - 6.40
bbls., c.l., works..100 lbs. 3.90 - —
l.c.l., bbls., works .100 lbs. 4.30 - —
Molybdate, anhyd., works..... lb. .34 - —
Monohydrate (see Sodium carbonate, monohydrated).
Napthionate, bbls.....lb. .66 - —

Sodium nitrate, crude, dom., bgs., c.l., works..ton.48.50 - —
bulk, c.l., works lb 45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse ton.51.50 - —
bulk, c.l., same basis ton.48.00 - —
Nitrate, 90%, bbls., c.l., works, frt. equald..lb. .07¼- —
l.c.l., same basis lb. .08¾- —
USP, dms..... lb. .21 - —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l. works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb. 3.50 - —
smaller lots lb. 3.65 - —
Para-aminosalicylate, dms., 1,000 lbs. or more lb. 5.25 - —
smaller lots lb. 5.30 - 6.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .21½- —
l.c.l., same basis lb. .22½- .24⅛
pellets, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .22 - .24
powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works..lb. .18¾- —
l.c.l., works lb. .19¼- —
Peroxide, dms., c.l., dlvd, E. of Miss lb. .18 - —
l.c.l., same basis lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms lb. .38 - .39
powd., dms. lb. .41 .42
Phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 6.75 - 7.00
l.c.l., works 100 lbs 7.25 - 7.50
cryst., bgs. c.l. works 100 lbs. 4.00 - —
l.c.l., works ....100 lbs. 4.40 - —
USP, dried, powd., bgs., dms. works lb. .19 - .20½
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.80 - —
l.c.l., works ....100 lbs. 8.20 - —
tribasic, cryst., bgs., c.l., wks., frt. equald..100 lbs. 3.90 - —
l.c.l., same basis..100 lbs. 4.30 - —
Sodium phosphates in bbls. 40c. higher than bgs
USP (see Sodium pnosphate dibasic)
Prussiate, yellow, bgs lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.10.50 - —
ferric, dms.. 1,500 lbs. works. lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 7.15 - —
l.c.l., frt. equald..100 lbs. 7.55 - —
Salicylate, USP, dms..... lb. .61 - .63
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
l.c.l., dlvd. zone 1.....100 lbs. 3.70 - 4.10
zone 2.....100 lbs. 3.96 - 4.36
zone 3.....100 lbs. 4.25 - 4.65
zone 4. .. .. 100 lbs 4.96 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn., Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La and Miss. No. of 31°; (3) Ark. W. of 96° Kan., Neb. W of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex
bbls., c.l., works 100 lbs. 2.45 —
Sesquisilicate, bbls., c.l., works. 100 lbs. 4.15 - —
l.c.l., dlvd.....100 lbs. 5.40 - 5.65
tanks, works..... ton.16.00 -17.00
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.10 - —
l.c.l., works .....100 lbs. 1.45 - 1.65
tanks, works ..... ton.17.00 - —
52°, turbid., dms., c.l., works 100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.25 - —
tanks, works .....ton.33.00 - —
solid, bgs., works.....ton.50.00 - —
Silicofluoride, bbls., c.l., works lb. .04½- —
l.c.l., works .....lb. .049 - —
Stannate, dms., works, frt. alld. E. lb. .555 - .609
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½- .16¼
tech., anhyd. bgs. c.l. works. 100 lbs. 2.00 - —
l.c.l., works 100 lbs 2.35 - 2.60
cryst. (see Glauber's salt)
USP, cryst., bbls lb. .17 - .19
gran., bbls lb. .17 - .17¼
Sulphide, flake, bbls., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs 4.00 - —
l.c.l. same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., same basis 100 lbs. 7.00 - —
crystals, bgs., c.l., works 100 lbs. 4.10 - —
l.c.l., works .....100 lbs. 4.50 - 4.75
bbls., c.l., works.....100 lbs. 4.50 - —
l.c.l., works .....100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾- —
l.c.l., works lb. .06¼- —
liquid, 45%, basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03 - —
l.c.l., works .....lb. .03¼- —
Thiocyanate, CP, dms..... lb. .55 - .65
tech., dms., works lb .30 —
Thiosulphate, tech. (see Sodium hyposulphite), USP, cryst., bbls lb .10 .12
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works.... lb. .10½- .11
Trichloroacetate, dms. ..... lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald.....100 lbs. 7.25 - —
l.c.l., same basis 100 lbs. 7.65 - —
Tungstate, tech., kgs., dlvd. East lb. 1.25 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb .23 - —
Sodium-carboxymethylcellulose—See CMC
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate dlvd., dms lb. .22 - .22½
Sodium-sulpha drugs (see Sulpha name)
Sodium-titanium fluoride fib. dms. c.l., works lb. .16½- —
l.c.l., works lb .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs. same basis lb. .30 - —



non-penetrating!

AROFLAT 3025—A new Pure Alkyd for One-Coat Flat Paints

At last—here's a vehicle for your one-coat flat paints that equals limed or calcicoater vehicles in non-penetration, *yet has none of their disadvantages.* It's the new AROFLAT 3025 P-40, a non-penetrating, pure alkyd resin. It's the *first* pure alkyd resin for one-coat flat paints offered not only in regular petroleum spirits, but also—in limited quantities—in odorless-type solvent. Write *now* for complete technical information.

AROFLAT 3025 P-40

provides outstanding . . .

- Brushing Ease
- Scrubability
- Color Retention
- Hold-Out
- Flexibility
- Film Toughness
- Pigment Suspension
- Pigment Wetting and Stability

Specifications — Aroflat 3025 P-40

Non-Volatile	39-41%
Solvent	Petroleum Thinner
Viscosity (G.H.)	J-P (2.5 to 4.0 poises)
Acid Value of Non-Volatile	5-10
Color (Gardner Standards '33)	6-8
Wt. per gallon at 25°C Solution	7.2-7.3 lbs.
Wt. per gallon at 25°C (Solids)	8.4-8.5 lbs.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 East 42nd Street, New York 17, N. Y.
Branches in all principal cities

Solvent naphtha, coaltar tanks, works gal. .25 - .3239
high-flash tanks works gal. .25 - .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex gal. .28 - —
150° F. flash, tanks same basis-gal. .28 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .30 - .31
10,000 to 20,000 lbs., works lb. .32 - .33
smaller lots, works lb. .35 - .38
tristearate, fib. dms., 20,000 lbs. works lb. .30 - —
10,000 to 20,000 lbs., works lb. .32 - —
smaller lots, works lb. .35 - .37
Sorbitol, cryst. pellets, dms., c.l., works lb .30 —
ton lots to 5 tons, works lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 .39
solution, commercial, aqueous, dms., c.l., works lb. .22¼- —
ton lots, works lb. .23¼- —
less ton lots, works lb. .24 - —
tanks, works lb. .21½- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb 15½- —
Soybean meal, 41% bulk, Decatur. ton.82.50 - —
50%, same basis ton.97.50 - —
protein, chemically isolated, 40-000 lbs., dlvd lb. .24 - —
20,000 lbs., same basis lb. .24¼- —
smaller lots, same basis lb. .24½- .28
mechanically refined, bgs., 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis lb. .0615- —
smaller lots, same basis lb. .0630- —
Sparteine sulphate, cns oz. .85 1.25
Spearmint leaves, bls lb. .52 .55
Spikenard root, bls lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. 01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —
Squaw vine leaves, bls lb. .30 - .35
Squill, red, fortified, powd., bbls. boxes lb. 1.60 - —
White, bls. lb .11 - .13
powd., bbls., bxs lb. .16 - .18
St Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .13 - .18
Stainless steel flake, dry, dms., works lb 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.92 - —
Chicago 100 lbs. 5.27 - —
l.c.l., 100 lbs. 6.07 - —
powd., paper bgs., c.l. 100 lbs. 6.03 - —
Chicago 100 lbs. 5.38 - —
l.c.l. 100 lbs. 6.18 - —

Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.

Potato, Idaho, bgs., c.l., works lb. .05¼- —
Maine, bgs., c.l., works lb. .05½- —
l.c.l., spot lb. .07¼- .07½
Rice, bgs. lb. .10¾- .11
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs. lb. .0606- .0626
Stavesacre seed, bgs lb .60 .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. .07½- .08
Storax, USP cs lb 1.50 - 1.60
Stramonium leaves, bgs lb. .22 - .24
Seed, bgs lb. .20 - .21
Streptomycin, hospitals, vials, gram. .60 - —
wholesalers, vials gram. .48 - —
Strontium bromide, NF, cns., dms., lb. .67 - —
Carbonate, 90% dms lb. .15½- .16½
Chloride, tech., bbls lb. .22 - .24
Chromate, bbls., works lb. .50 - —
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. 09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb 42 44
Salicylate, NF, dms lb. 1.65 - 1.32
Sulphate, air-floated, 90% 325 mesh, bgs., works ton.56.70 -66.15
Strontium-calcium sulphide, phosphorescent, dms., works lb 2.50 - 2.85
Strophanthin, NF bots oz.39.00 - —
Strophanthus seed, Kombe, bgs lb 3.00 - 3.25
Strychnine, NF powd., cns, 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP powd., cns., 100 ozs oz. 1.00 - —
Styrene, monomer, dms., c.l., works, lb. .17¾- —
l.c.l., works lb. .18¾- —
tanks, works lb. .16½- —
Styrolyl acetate, bots lb 2.50 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring)
Sugar of milk (see Milk sugar)
Sulphabenzamide, dms lb 4.23 - 4.60
Sulphabenzamide-sodium, dms lb 4.23 - 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms lb.10.50 -11.00
powder lb.10.25 -10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb.12.25 -12.75
powder lb.11.25 -11 75
Sulphaguanidin, USP, dms lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99 9%, not over 10 microns, dms lb.10.53 -11.05
powder, dms lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms, lb.11.25 -11.75
Sulphamethazine, micro crystals lb. 8.80 - 9.30
powder lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing lb. 1.13 - 1.35
microcrystals lb. 1.30 - 1.50
powder lb. 1.03 - 1.25
Sulphanilamidoquinoxaline, veterinary, dms lb. 9.00 - 9.25
Sulphapyridin NF powd. bots. tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8 00
Sulphathiazole, USP, crystals, free flowing lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms lb. 3.25 - 3.55
powder, dms. lb. 3.00 - 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 - 3.30
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs 2 10 2.45
crude c.l. bulk mines contract long ton.18.00 - —
vessel f.o.b. Gulf ports export, long ton.22.00 -24.00
f.o.b. ship for domestic and Canada long ton.19.50 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs 1.95 2.30
precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
Sulphur, refined, flour, heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs 3.15 3.50
flowers, USP, bgs. c.l., works 100 lbs. 3.85 - —
l.c.l., works 100 lbs 4.20 4.60
Sulphur flowers in bbls. 75c. higher.
rock, bgs c.l. works 100 lbs 2.40 —
l.c.l., works 100 lbs 2.75 3.10
rolls, bgs., c.l., works 100 lbs 2.70 - —
l.c.l., works 100 lbs 3.05 3.70
rubbermakers' bgs. c.l. works 100 lbs. 2.35 —
l.c.l., bgs., works 100 lbs 2.70 3.05
Chloride, mono, 55-gal. dms., c.l., frt. equald lb. .03¼- —
l.c.l., same basis lb. .04¼- —
tanks, same basis lb. .03 - —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb 0535- —
tanks, works lb 045 —
refrigeration, c y l s., l.c.l., dlvd lb. .20 - .36
Sumac bark, 28%, grd., bgs., ex dock ton.65 00 -66.00
Extract, No. 1, bbls., 25% lb. .10½- —
No. 2, bbls., 25% lb. .09 - —
crystals, bbls. lb. 40 - —
stainless, bbls lb. 14½- —
Leaf, 28% grd. bgs., ex-dock, ton.67.00 -68.00
Superphosphate run-of-pile, under 22% a.p.a pulv., bulk, Baltc unit-ton. 76 - —
Carteret, N. J. unit-ton. 70 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. 80 - —

Prices on 48% triple superphosphate to other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized

Sweet basil, imported, bls lb. No stocks.

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
l.c.l. ton.26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton.23.00 -28.00
l.c.l., works ton.25.00 -32.00
tmp., Canada, grd., bgs., c.l., mines ton.12.50 -35.00
Tallow, edible, dms., c.l. lb. .11¼ Nom.
inedible, extra, loose, c.l., dlvd lb. .08¼- —
fancy, loose, c.l., dlvd lb. .08½- —
special, loose, c.l., dlvd lb. .08 - —
sulphonated, 25%, dms lb. .07 - .07½
50%, dms. lb. .09½- .10
Tamarind, W. I. bbls lb. .10 - 15
kegs keg.10.00 - —
Tankage, animal feeding, 9-11% ammon., bulk unit-ton. 8.00 - —
Chicago unit-ton. 9.00 - —
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs lb. .07 - .07½
medium grades, bgs lb. .06½- .07
low grades, bgs lb. .05½- .06
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .41 - —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis. gal. .53 - —
l.c.l., same basis gal. .61 - —
tanks, same basis gal. .50 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd. bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l lb. .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. 75 - —
powd., bbls., dms lb. 80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .12½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .60
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½- .70¼
prime, cns., dms lb. .55 - .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms gm 3.75 - —
Propionate, USP., 100 gms gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08¼
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21¼
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —

We Broke This "Broom-tail"

NOW...IT'S READY TO WORK FOR YOU!

NEW CHEMICAL TOOLS

To the chemical world, Elemental Fluorine has long been a wild, unbridled bronco . . . potentially useful, but highly hazardous and too hard-to-handle. Now, General Chemical has broken this "broom-tail" as a part of its continuous research in the field of fluorine chemistry. In such seasoned hands, elemental fluorine is ready to work for you!

Today, General Chemical makes Elemental Fluorine in tonnage quantities. From it, General can produce a wide range of new fluorine derivatives of interest in many fields.

LET GENERAL DO THE JOB

This availability of chemicals made from Elemental Fluorine can be an important factor in your research and development work. Perhaps you already have such products under consideration. If so, it's wise to place the production problem in General's hands. Here's why:

Using Elemental Fluorine as a process chemical requires specialized experience and highly-trained personnel, as well as a major plant investment. General Chemical already has the men, methods and materials to produce virtually any product which should be made from Elemental Fluorine or its derivatives. For your requirements, consult General Chemical . . . *First in Fluorides.*

Following are some of the fluorine derivatives which can be made from Elemental Fluorine. Many others are possible. For your needs, consult General Chemical first.

Sulfur Hexafluoride*
Cobalt Trifluoride
Zirconium Fluoride
Antimony Pentafluoride
Tungsten Hexafluoride
Iodine Pentafluoride
Titanium Tetrafluoride
Lead Tetrafluoride
Ceric Tetrafluoride

*As developed by General Chemical, Sulfur Hexafluoride was the first commercial chemical produced from Elemental Fluorine to be offered to Industry. The unusual thermal and chemical stability of this inert, non-toxic gas, as well as its high dielectric strength, have led to its use as an insulator in high voltage electric equipment; other interesting uses are in the process of development.

From ELEMENTAL FLUORINE ...New Chemical Tools For Research or Process Use

BASIC CHEMICALS FOR AMERICAN INDUSTRY

Product Development Department

GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK 6, N. Y.

Tetrapotassium Phosphate—Vinylpyridin

Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd ..... lb. 12.50 - 15.00
sulphate, 99%, bots., dlvd ..... lb. 10.50 - 13.00
Theobromine, fib. dms ..... lb. 5.25 - 5.32
Salicylate, fib. dms ..... lb. 4.40 - 4.45
with sodium acetate, USP, dms ..... lb. 4.05 - 4.10
Sodio-salicylate, fib. dms ..... lb. 3.30 - 3.35
Theophylline, anhyd., or USP, 100-lb dms ..... lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams ..... kilo. 160.00 - —
Mononitrate, bots., 100 grams ..... kilo. 160.00 - —
Thiocarbanilide, dms ..... lb. .40 - .42
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works ..... lb 5.50 - 5.60
Thiourea, tech., dms., c.l., works ..... lb. .44 - —
l.c.l., works ..... lb. .46 - —
Thorium nitrate, cs., works ..... lb 3.50 - —
Threonine, dextro-laevo, 100 grams ..... 15.00 - —
Thyme, French, bgs ..... lb. .16 - .16¼
Spanish, bls ..... lb. .09 - .09½
Thymol, kgs ..... lb. 3.50 - —
Iodide, NF, dms ..... lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works ..... lb. .841 - .851
Crystals, hydrous, bgs., bbls., works ..... lb. .69 - —
Metal ..... lb. .98½ - —
Oxide, bbls ..... lb. 1.00 - 1.01
Tetrachloride, anhyd., dms., works ..... lb. .58 - .59
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd ..... lb. .19½ - —
l.c.l., dlvd ..... lb. .20 - .20½
Titanium dioxide, chalk - resistant, bgs., c.l., dlvd ..... lb. .19½ - —
l.c.l., dlvd ..... lb. .20 - .20½
plain, bgs., c.l., dlvd ..... lb. .19½ - —
l.c.l., dlvd ..... lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works ..... lb. .05 - —
5-ton lots, works ..... lb. .05¼ - —
milled, bgs., c.l., works ..... lb. .05¼ - —
5-ton lots, works ..... lb. .05½ - —
nonchalking, bgs., c.l., dlvd. E ..... lb. .21½ - —
l.c.l., dlvd. E ..... lb. .22 - .22½
Hydride, cns., works ..... lb. 7.00 - 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd ..... lb. .07½ - .07¾
l.c.l., dlvd. ..... lb. .08 - .08¼
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 55 gal. dms ..... lb. .57 - .58
smaller, pkgs., works ..... lb. .65 - 1.22
technical, 5-gal. dms., works ..... lb. .32 - —
smaller pkgs., works ..... lb .40 - 1.00
Tolu balsam, cns., dms ..... lb. 3.40 - 3.50
Toluene (see Toluol).
Tolidin base, distilled, kgs ..... lb. 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa ..... gal. .24½ - —
Birmingham dist ..... gal. .23¼ - —
Chicago district ..... gal. .25½ - —
Cleveland district ..... gal. .25¾ - —
Lone Star, Tex ..... gal. .24½ - —
Geneva, Utah ..... gal. .18¼ - —
Hamilton, Ohio ..... gal. .25 - —
Johnstown, Pa ..... gal. .23 - —
Lackawanna, N. Y ..... gal. .26 - —
Lorain, Ohio ..... gal. .24 - —
Minequa, Colo. ..... gal. .23½ - —
Toluol, coaltar, industrial and nitration, tanks, Philadelphia, Pa ..... gal. .26½ - —
Pittsburgh district ..... gal. .23 - —
Sparrow's Point, Md ..... gal. .24½ - —
St. Louis, Mo. ..... gal. .26 - —
Syracuse, N. Y. ..... gal. .23½ - —
Terre Haute, Ind ..... gal. .26½ - —
Wyandotte, Mich ..... gal. .26 - —
Youngstown, Ohio ..... gal. .23½ - —
Petroleum, industrial, 2°, tanks, works—
Albany, N. Y. ..... gal. .30 - —
Bayonne, N. J. ..... gal. .30 - —
Baytown, Tex. ..... gal. .28 - —
Chicago, Ill. ..... gal. .30 - —
Detroit, Mich. ..... gal. .30 - —
Philadelphia, Pa. ..... gal. .30 - —
Providence, R. I. ..... gal. .30 - —
Wood River, Ill ..... gal. .28 - —
Tonga, 50% bark and vine bls. ..... lb 80 - .95
Tonka beans, Angostura, cks ..... lb 1.75 - 1.80
Brazilian, cs ..... lb 1.00 - 1.15
Surinam, cs. ..... lb 1.00 - 1.15
Toxaphene, dms., works, c.l ..... lb. .20 - —
truckloads, works ..... lb. .20 - —
ton to truckloads, works ..... lb. .23 - —
less than tons, works ..... lb. .26 - —
Totaquine, 100-oz. tots ..... oz. .42 - —
Triacetin, dms, dlvd ..... lb. .35½ - —
Tributyl citrate, dms. ..... lb. .41 - .43
smaller containers ..... lb. .46 - .52
Phosphate, dms. c.l. frt. alld ..... lb. .56½ - —
l.c.l., same basis ..... lb. .57½ - —
smaller containers ..... lb. .71 - —
Tributylamine, dms., c.l., frt. alld. lb. .78¾ - —
l.c.l., same basis ..... lb. .79¾ - —
tanks, same basis ..... lb. .77 - —
Trichlorobenzene, dms., c.l., works, frt. alld ..... lb. .10½ - —
l.c.l. frt. alld. ..... lb. .11½ - —
tanks, frt. alld. ..... lb. .09 - —
Prices in the West, 1½c. higher.
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works ..... lb. .13½ - —
tanks, works ..... lb. 11½ - —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald. ..... lb. .10½ - —
l.c.l., same basis ..... lb. .11¼ - —
tanks, same basis ..... lb. .10 - —
Trichloroethylene, dms., c.l., dlvd. E ..... lb. .11¼ - —
l.c.l., dlvd. E ..... lb. .11¾ - —
tanks, dlvd. E ..... lb. .10¼ - —
Tricholine citrate, 65% solut., ret., chys., works, frt. adjusted ..... lb. 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd ..... lb. .31½ - —
l.c.l., dlvd ..... lb. .32½ - —
tanks, dlvd ..... lb. .30 - —
petroleum, dms., c.l., dlvd ..... lb. .31½ - —
l.c.l., dlvd ..... lb. .32½ - —
tanks, dlvd ..... lb. .30 - —
Triethanolamine, dms., c.l. frt. alld. E ..... lb. .23 - —
l.c.l., same basis ..... lb. .24 - —
tanks, same basis ..... lb. .21½ - —
Triethylamine, dms., c.l., works, frt. alld. E ..... lb. .31¾ - —
l.c.l., same basis ..... lb. .32¾ - —
tanks, same basis ..... lb. .30 - —
Triethyl citrate, dms ..... lb. .34 - .36
smaller containers ..... lb. .39 - .45
Phosphate, dms., works, c.l ..... lb. .38 - —
l.c.l., same basis ..... lb. .39 - —
tanks, same basis ..... lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E ..... lb. .20½ - —
l.c.l., same basis ..... lb. .21½ - —
tanks, same basis ..... lb. .19 - —
Triethylenetetramine, dms., c.l., works ..... lb. .41½ - —
l.c.l., works ..... lb. .42 - —
tanks ..... lb. .40 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, ... lb. .38 - —
l.c.l., works, frt. equald, 100% basis ..... lb. .38½ - —
tanks, works, frt. equald., 100% basis ..... lb. .33 - —
Trimethylhexanol, dms., c.l., works. ..... lb. .29½ - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .28 - —
Tripentaerythritol, bgs., l.c.l. works. ..... lb. .36 - —
Triphenyl phosphate, bbls. c.l. frt. equald ..... lb. .33 - —
l.c.l., frt. equald. ..... lb. .34 - —
Triphenylguanidine, bbls., works ..... lb. .90 - —
Tripoli air-floated, bgs., c.l. works. ..... lb. .0175 - —
double-grd., bgs., c.l., works ..... lb. .016 - —
single-grd., bgs., c.l., works ..... lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate trihasic).
Trisodium phosphate (see Sodium phosphate, trihasic).
Trypsin, 1:25, dms., works ..... lb 2.30 - —
1:50, dms., works ..... lb 4.25 - —
1:75, dms., works ..... lb 5.50 - —
1:100, fib. dms., works ..... lb 5.50 - —
Tryptophane dextro-laevo, fib cns., works ..... kilo. 207.00 - 242.00
Tuba root (see Cube root).
Tungsten metal powd., 99.9%, dms., works ..... lb. 4.50 - 4.75
Turmeric root, Alleppey, bgs ..... lb. .32 - .35
Haitian, bgs. ..... lb. .10 - .10¼
Jamaica, bgs. ..... lb. .10 - .10¼
Madras, bgs. ..... lb. .16 - .16¼
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East ..... gal. .47 - .56
Wood, dest.-dist., dms., incl., c.l., works, South ..... gal. .40 - —
l.c.l., same basis ..... gal. .41 - —
N. Y. whse ..... gal. .47 - —
tanks, works, South ..... gal. .27½ - —
steam-dist., dms. incl. c.l., works ..... gal. .50 - —
l.c.l., works, South ..... gal. .56 - —
ex whse., NYC ..... gal. .68 - —
tanks, works ..... gal. .37 - —
Tyrothricin, bots. ..... gram. 1.00 - 1.10

U

Urethane, USP, dms ..... lb. 1.25 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs ..... lb. 2.55 - —
yellow, kgs. ..... lb 1.65 - —
Urea, dom. 46% N, bgs., c.l., wks. ..... lb. .04½ - —
l.c.l., works ..... lb. .05 - —
42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ..... ton. 94.00 - —
bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont. Wyo., and west ..... ton. 116.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle W Va ..... ton. 125.00 - —
C and D grades, same basis, ton. 123.50 - —
37 grade, same basis ..... ton. 147.50 - —
Uva ursi leaves, bls ..... lb. .06 - .14

V

Valerian root, Belgian, NF, bls ..... lb. .40 - .45
Valine dextro-laevo, dms., works ..... lb 25.50 - 27.50
Valonia beards, bgs., ex dock ..... ton. 78.00 Nom.
Cups, bgs., ex dock ..... ton. 53.00 - —
Extract, powd., bgs., ex dock, duty extra ..... lb. .09½ - —
Vanadium pentoxide, CP, bgs., cns., works ..... lb 7.00 - —
tech, dms., works ..... lb 1.00 - 1.06
Vanilla beans, Bourbon, tins ..... lb. 4.00 - 4.25
Mexican, cuts, tins ..... lb. 6.50 - 6.75
whole, tins ..... lb. 7.25 Nom.
Tahiti, cs. ..... lb. 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs ..... lb 4.00 - —
smaller lots ..... lb 4.05 - —
ex guaicol, tins, 25 lbs ..... lb 3.00 - —
smaller lots ..... lb 3.05 - 3.15
ex lignin, tins, 25-lb. lots ..... lb 3.00 - —
smaller lots, tins ..... lb 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works ..... lb. .16 - .16¼
5-gal cns., works ..... lb. .30 - —
tanks, works ..... lb. .15 - —
Butylether, normal, tech., dms., c.l., works ..... lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. ..... lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Isobutylether, tech., dms., c.l., works ..... lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Methylether, cyls., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works ..... lb. 1.50 - —

AZO

acicular lead-free zinc oxide is a superior pigment available in a wide range of oil absorptions

HIGH

A high oil absorption Zinc Oxide having large Acicular Particles which gives heavy body.

The extra durability, the finer weathering qualities that Acicular Zinc Oxide gives to paint can be obtained with AZO Acicular Zinc Oxides available in a wide range of oil absorptions to meet your requirements.

MEDIUM

A medium oil absorption Acicular Zinc Oxide imparting exceptional weathering qualities to exterior paints.

A definitely Acicular type with a lower oil absorption, but chemically identical with AZO ZZZ-11 and AZO ZZZ-22.

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Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units
1,000,000 units. .023 • —
lots of 1 billion USP units.
1,000,000 units. .03 • —
lots of less than 1 billion USP units 1,000,000 units. .033 • —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units
1,000,000 units. .02 • —
lots of 1 billion USP units.
1,000,000 units. .025 • —
lots of less than 1 billion USP units.1,000,000 units. .03 • —

Vitamin A, natural, 200,000 to 400,000 A units per gm., bots, cns., dms., lots of 500 million units or more 1,000,000 units. .15 • —
lots of less than 500 million units
1,000,000 units. .19 • —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more
1,000,000 units. .17 • —
lots of less than 500 million units
1,000,000 units. .21 • —

Prices above are based on the USP XIII method of conversion E x 1894.

Vitamin A, natural, 200,000 to 400,000 A units per gm. bots., cns., dms., lots of 500 million units or more
1,000,000 units. .16 • —
lots of less than 500 million units 1,000,000 units. .20 • —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 • —
less than 500 million units.
1,000,000 units. .22 • —

Prices above are based on the USP XIV method of conversion Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic acetate, 1,000,000 A units, per gm 1,000,000 units. .18 • —
A, synthetic, palmitate, 800,000 A units per gm., frt adjstd.
1,000,000 units. .18 • —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12}, vials, 25 100 and 500 milligram lots, milligram. .98½ —
C (see Acid ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheat germ).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls lb 1.50 1.75
Tree bark, bls lb .55 • .75
Warfarin, dms., 50 lbs., f.o.b. N. Y. or Chicago lb. 1.95 • —
25-49 lbs., same basis lb. 2.05 • —
5-24 lbs., cns., same basis lb. 2.15 • —
Wattle bark, fair average or E Afr., bgs., ex dock ton.67.50 • —
merchantable, bgs., ex dock.ton.65.00 • —
extract, liquid, 35% tannin, bbls., works lb. .07½ .08
solid E Afr. 61% tannin, ex dock, duty extra lb. .07½ —
S Afr. 62% tannin, ex dock, duty extra lb. .07½ —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot lb. .44 • .45
Bees, bleached, USP, bricks, cs. lb. .67 • .68
slabs, bgs lb. .66 • .67
crude, African, bgs lb. .50 • .52
Brazilian, bgs lb. .52 • .55
Cent. American, bgs lb. .49 • .50
refined, yellow, bricks, cs. lb. .57 • .58
slabs, bgs lb. .56 • .57
Candelilla, crude, bgs lb. .63 • .65
refined, bgs lb. .68 • .70

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots.lb. No stocks.
North Country, No. 2, ton lots. lb. .90 Nom.
No. 3, crude, bgs., ton lots. lb. .85 • .88
refined, bgs., ton lots lb. .90 • .93
yellow, No. 1, bgs., ton lots. lb. 1.10 • 1.15
No. 2 lb. 1.08 • 1.13

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs. lb. .62 • .67
Microcrystalline, 170°-175° m.p., ASTM, amber ctns., 20,000 lbs. group 3, works lb. .14 • —
Less than 20,000 lbs., same basis lb. .15 • —
black, ctns., 20,000 lbs., same basis lb. .12½ • —
Less than 20,000 lbs., same basis lb. .13½ • —
white, ctns., 20,000 lbs., same basis lb. .25 • —
Less than 20,000 lbs., same basis lb. .26 • —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .14½ • —
Less than 20,000 lbs., same basis lb. .15½ • —
amber, ctns., 20,000 lbs., same basis lb. .16 • —
Less than 20,000 lbs., same basis lb. .17 • —
white, ctns., 20,000 lbs., same basis lb. .27 • —
Less than 20,000 lbs., same basis lb. .28 • —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½ • —
Less than 20,000 lbs., same basis lb. .21½ • —
black, ctns., 20,000 lbs., same basis lb. .19 • —
Less than 20,000 lbs., same basis lb. .20 • —
white ctns. 20,000 lbs., same basis lb. .33½ • —
Less than 20,000 lbs., same basis lb. .34½ • —
Montan, dom. black, raw lb. .25 • .25½
refined lb. .31 • .32
imported Bohemian, bgs lb. .15 • .17
German, bgs. lb. .16 • .18
Ouricury, refined, bgs., ton lots lb. .90 Nom.
Paraffin (see P.).
Wax, spermaceti, blocks, cs. lb. .24 • .27
cakes, cs. lb. .25 • .28
Sugar cane, crude, imp., bgs lb. .35 • .37
refined, dom., slabs., works. lb. .60 • .65
imp., bags, N. Y. lb. .40 • .42
White lead (see Lead white).
White pine bark, rossed, bls lb. .16 • .19
White precipitate USP, powd., dms., 50 lbs lb 2.00 • —
Whiting, limestone, dry grd. 99.5%, 325 mesh, bgs. c.l. works. ton 6.00 10.00
smaller lots works ton 6.50 15.00
wet-grd., bgs., c.l., works ton.16.00 30.00
smaller lots works ton.21.00 35.00
Paris white, bgs., c.l. ton.24.00 31.00
l.c.l. whse ton.25.00 40.00
Precipitated, bgs., c.l. ton.18.00 20.00
l.c.l. ton.25.00 35.00
Wild cherry bark, thick, natural, bls lb .06 .07
rossed, bls lb No prices.
thin, natural, bls lb. .13 • .16
rossed, bls. lb. .16 • .17
Wild indigo root, bls lb .30 .31
Wild yam root, bls lb 16 17
Witch hazel leaves, bls lb. .23 • .25
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 • —
l.c.l., same basis ton.40.00 • —
60 mesh, bulk, c.l., same basis ton.37.00 • —
basis ton.37.00 • —
l.c.l., same basis ton.45.00 • —
80-100 mesh, bulk, c.l., same basis ton.40.00 45.00
l.c.l., same basis ton.50.00 55.00
Woodflour in bgs extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs. lb. .13 • .14
Levant, bgs. lb. 4.50 • 5.00
Wormwood, leaves, bls lb .35 • .45

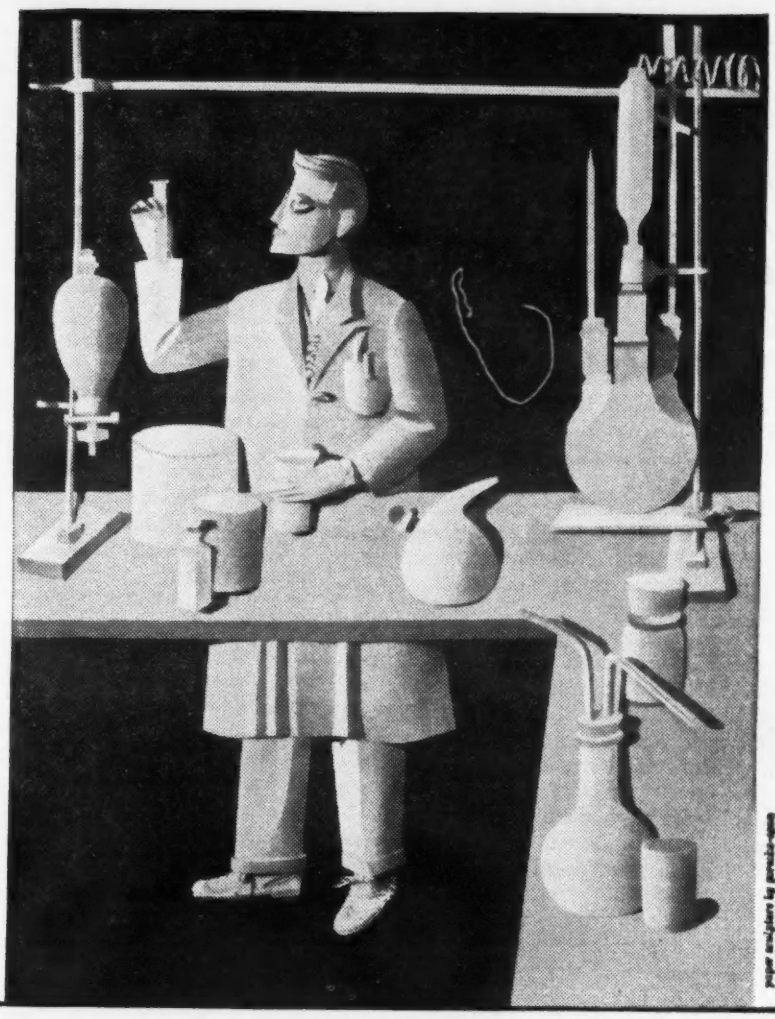
X

Xanthorrhiza root, bls lb .28 • .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l. works, frt equald lb. .193 • —
l.c.l., same basis lb. .196 • —
tanks, same basis lb .18 • —
45°-47°C. dms., c.l., frt equald lb. .153 • —
l.c.l., same basis lb. .156 • —
tanks, same basis lb .14 • —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis gal. 1.01 • —
l.c.l., same basis gal. 1.04 • —
tanks, same basis gal. .90 • —
Meta fraction, over 7°C., dms., c.l., same basis gal. 1.11 • —
l.c.l., same basis gal. 1.14 • —
tanks, same basis gal. 1.00 • —
Xylidins, mixed, dms lb 45 .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa gal. 27 • —
Birmingham district gal. .24¼ • —
Chicago district gal. .27½ • —
Cleveland district gal. .27 • —
Lone Star, Tex. gal. .25 • —
Geneva, Utah gal. .19¾ • —
Hamilton, Ohio gal. .26 • —
Johnstown, Pa gal. .25 • —
Lackawanna, N. Y. gal. .27 • —
Lorain, Ohio gal. .25¼ • —
Minequa, Colo. gal. .27 • —
Philadelphia, Pa. gal. .27 • —
Pittsburgh district gal. .24 • —
Sparrows Point, Md. gal. .27 • —
St. Louis, Mo. gal. .28 • —
Xylol, coaltar, industrial, tanks, works, Syracuse, N. Y. gal. .24½ • —
Terre Haute, Ind. gal. .27 • —
Wyandotte, Mich. gal. .27 • —
Youngstown, Ohio gal. .24½ • —
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y. gal. .30 • —
Bayonne, N. J. gal. .30 • —
Baytown, Tex. gal. .28 • —
Chicago, Ill. gal. .30 • —
Detroit, Mich. gal. .30 • —
Philadelphia, Pa. gal. .30 • —
Providence, R. I. gal. .30 • —
Wood River, Ill. gal. .30 • —

Y

Yara, yara, cns. lb 2.00 2.25
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb dms lb 44 46
50 B units per gram, 100 lb. dms lb 49 51
200 B units per gram, 100 lb. dms lb 53 55
300 B units per gram, 100 lb. dms lb .57 .59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd N of Penn and N. C., E of Miss. including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. 2.80 • —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd. lb. 1.60 • 1.70

—Continued on page 48



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NIALK Paradichlorobenzene
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NIALK TRICHLORethylene
NIAGATHAL*
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Big Job for Business

The method and the scope of controls designed to maintain economic stability and sanity under the stress of the more or less fancied imminence of global disruptions have become all too much, in Washington, a matter of political possibilities and plums. Inadequacy is most expectable in whatever may be the compromise. Inefficiency is almost certain to be its corollary. There is still large doubt that anything will be fully shaped up before the November election. Whatever comes then doubtless will be too little and, it is to be feared, a bit tardy if not too late.

Business can do much to avoid some of the undesirable consequences of the political shillyshallying. It should do every bit of that, starting with the construction of a declaration of cooperation and a demand for confidence, and proceeding therefrom in honest, earnest endeavors.

Business should set up a complete scheme of control —or mobilization—setting forth exactly what should be done and why its doing is necessary for the welfare of the national economy and of all who must derive their livelihood therefrom. The scheme must be a readily and effectively workable one. In that respect, it must be constructed by business; the World War II necessity for slow, difficult readjustments in both demands and compliances must not be repeated.

Business should have a fully and competently representative cabinet to handle its essential and inevitable part in the construction and application of an economic stabilization scheme. Some groups have asked that they be given, at least, a consulting part in the drafting of curbs. Business as a whole should have full active participation—but it must be prepared for objective functioning in that role. It should now be working with the Department of Commerce to give that agency all the advice and assistance it must have to function in the regulatory capacity with which it should promptly be vested.

The Department of Labor has gone heartily into the planning of the control of manpower. The Department of Commerce should be fully enabled to act similarly with reference to materials. The two departments must have a program of close cooperation, which must efficiently hook in with the special functioning, largely supervisory, of the National Security Resources Board and give due consideration to the allocation plan of the Munitions Board, set out in a recent manual.

There is a lot of criticism going around against the comment of certain radio orators on profiteering. It is unfortunate that the enemies of free enterprise must be provided with munitions for their popular attack on "capitalistic greed"; but the situation must be faced: profiteering is in evidence. Nothing could do more to wreck free enterprise than such substantiation of the charges of those who are trying to replace it with "something better"—for them.

Business management must serve the nation. In no other way can the system on which it stands be saved. Business management must face the fact that that system is threatened with destruction. The fuss in Korea is but the providing of an opportunity for unthinking selfishness in free enterprise to paint it with all the blackness with which its enemies are wont to present it. Business management must fight greed in other groups, such as that in the C.I.O. demand that prices be controlled but there must be no ceiling on wages; that in the proposal of the A.F.L. president that labor be appeased into the war-production job by repeal of the Taft-Hartley law. Management's job is not an easy one; but, it is most necessary. And above everything else stands the fact that it cannot be done unless there be applied to its doing a full measure of cooperation of business and government, based on fully deserved and wholly respected confidence on both sides.

Another Farm Helping

Another scheme of agricultural subsidization has been launched in congress. It is designed to enable agriculture to keep pace with the engineering development of the Missouri river basin. It comprises replanting of 5,000,000 acres of forest land, reseeding of 400,000 acres of forest range, construction of 15,000 dams in small contributory streams, 70,000 miles of ditches and dikes for diversion of flood waters, an unstated mileage of roads into hitherto inaccessible areas, 2,500,000 acres of shelter belts, and some thousands of minor improvements.

The new scheme, running over some thirty years, would cost about $8,500,000,000. The Secretary of Agriculture says that 60 percent of the cost would be absorbed or liquidated by landowners and local communities—a prediction which requires more than a pinch of salt or a teaspoonful of vanilla to make it palatable.

Thirty years, in these days of change, is a long time for a farmland gamble. If the human race has not been "atomized" out of existence long before 1980, it is reasonable to expect that farming will be a lost art, the proteins, carbohydrates, and hydrocarbons required for nutritive support of whatever may then be the nature of life being provided synthetically from air and water with the aid of radioactivity. The one desirable end of the octabillion scheme is making an adequate supply of water available.

That is not enough reason for a call upon the taxpayers of every river basin, and hillside, and dry land in the country for money to water the Missouri valley: they have needs of their own for many kinds of liquid assets. Let everybody do his own watering, at least as a participator in the undertakings of those who have a private interest in their private affairs and see no reason for turning them into a public spree.

Other people learn faster, it seems. In Australia, where a revolt against socialization, or nationalization, or whatever might be the idea of collecting the living which the world is alleged to owe everyone, did a bit of ideological rearranging a short time ago, a big problem emerged from inadequate rainfall some time ago. There is no evidence that, even in its nationalization experiment, Australia set out to put its government into the business of making and saving and distributing water. The problem, naturally, as a local report has it, "has gone beyond the individual." But, did the state take over? No, indeed. The individual has got together with his kind, and the largest mutual life insurance society in Australia has applied its investment program in part to the "development of a desert."

In this country, the big insurance companies—they are not mutuals—have bought "securities"; now they build and rent freightcars. They might find it profitable —or some group might—to sell the taxpayer the idea that agriculture should pay for its helpings. There is nothing else quite so resistant to the impact of nationalistic tendencies as is a private enterprise that is enterprising.

For the Bookshelf

THE PETROLEUM CHEMICALS INDUSTRY. By Richard Frank Goldstein, B.Sc., Ph.D., F.R.I.C., F.Inst.Pet. Cloth; xiii + 449 pages. New York: John Wiley & Sons, Inc. $8.50.

This new book presents a survey of "the fields of organic chemistry in which oil is the basic material." That it takes a pretty good-size bite out of that big area can be got from the length of its index, there being more than 1,200 listings from acenaphthene to 1:3:5-xylidin in the compilation. The survey is particularly concerned with possibilities and problems in what is rapidly becoming one of the most expansive areas of applied chemistry.

The biggest problem, of course, is in the endless theorizing and pontificating over the economic relativities of coal, oil, and natural gas as fuels or processing materials in the service of industry. In order to make that competitive problem clear, the author addresses a goodly measure of information on the mineral routes other than via petroleum, and includes the relevant vegetable ones. His British background gives him a special status in dealing with what is mainly an American industry. The result is good; he does not largely concern himself with what should be done, even in respect of the much that is mysterious in connection with the saturated hydrocarbons.

There are twenty chapters in this book —not including the introduction—three appendixes and four indexes. The author sets out that, even with that scope, he did not attempt merely to carry on from where Ellis left off in 1937 or to cover all that has come up in the field of petroleum chemicals since that date. What he has done, however, is plentifully laden with useful information.

The first chapter has to do with sources of petroleum hydrocarbons; the second covers that big field of much-tangled growth where mixtures of carbon monoxide and hydrogen are to be dealt with. Three chapters deal with the reactions of paraffins; six others treat similarly and additionally of olefins. In successive chapters come then naphthalenes, aromatics, acetylene, aldehydes, ketones, acids, anhyrides, and esters, olefin oxides, nitriles and amines, and some of the many by-products of petroleum refining. All are covered in a manner that is commendable for clarity, conciseness. and completeness.

The appendixes are mainly statistical, covering production data and prices, as well as flowsheets. The indexes cover authors, patents, intelligence reports on German industry, and petroleum chemicals in various roles.

WOOD PRODUCTS FOR FERTILIZER. Paper; 53 pages. New Haven, Conn.: Northeastern Wood Utilization Council. $1.

Many observers of agricultural practices have from time to time expressed the view that agriculture could make good use of its wood wastes and weed wastes in the maintenance of soil fertility. In this publication (bulletin No. 32) the helpful Northeastern Wood Utilization Council tells what can be done in that direction.

The Northeastern states, and especially New England, have "wood to burn"; all too often it is burned—wastefully. It can be burned to local advantage, and in this booklet, Herbert A. Lunt, of the Connecticut Agricultural Experiment Station, tells about the utilization of wood ashes as fertilizer, something which should interest those who are accustomed to sending to Georgia for cottonseed-hull ash.

The fertilizer requirements of the Northeast are set out by J. A. Chucka, of the Maine Agricultural Experiment Station. How to contribute to those requirements by means of local materials—sawdust, shavings, waste bark, and lignin—is told by a number of agronomic experts. A bit of fundamental information is given in the chapter on the action of soil bacteria on wood products. There is a reflection of progress and potentialities in the discussions of lignin as a potato-fertilizer and a soil-builder.

Washington Talks It Over

—*Continued from page 5*

plies of fats and oils. Studies are being considered to develop from domestically produced oleaginous materials alternates or substitutes for the following strategic enduses of oils which are now subject to stockpiling or other prior provision for national emergency:—

1. Sebacates, particularly in the fields of use of sebacates in special lubricants and greases and for tough filament nylon.

2. A drying oil for paint and varnish use, equivalent to dehydrated castor oil.

3. A hydraulic fluid for automotive braking systems.

4. A synthetic rubber modifier, to replace dodecylmercaptan.

5. An emulsifier for navy disinfectants, to replace the lauryl alcohol currently used.

6. A material for use in tinplating and the cold rolling of steel to carry out the functions currently performed by palm oil.

In the investigations, emphasis will be placed on the chemical modification of domestic oils and fats which are expected to be in ample supply during an emergency. The department also emphasizes that the research will deal primarily with military objectives and not with research involving a normal competitive economy.

Colonial Africa's Possibilities

In view of the current emphasis on the Point Four program of aid to underdeveloped areas, the Chamber of Commerce of the United States has completed a timely study of the possible fields for private investment in an area with great potential natural resources — Belgian, French, and Portuguese Africa.

Each of the areas is considered separate, stress being laid upon the types of economic activity now being carried out. The bad points as well as the good points of the area are shown, such as, for example, the fact that no substantial development of any type can be had until the basic public services, such as ports and transportation facilities, are available.

Attention is devoted to the various development plans being carried out by the three governments concerned. Other sections deal with the attitude of the governments toward private American investments, egislation which would affect American investment, and the special problems relating to private investment.

Heavy Chemicals

Price trend of heavy chemicals continued upward last week. Included in the advances were sodium metasilicate, sodium stannate, tin chloride, crystals, metal, oxide and tin tetrachloride. The advance in tin metal was irregular with the market fluctuating easily to buying or selling pressure. The other nonferrous metals remained firm with suppliers finding it necessary to adopt an allocation program in the distribution of material.

One of the large producers of commercial aluminum sulphate advanced the price and salt cake in bulk was shifted from a delivered to a work's basis. A stronger tone developed in glacial acetic acid with one of the producers advancing the price. Sulphuric acid continued tight and a substantial increase was noted for chromic acid. Soda ash and caustic soda continued to tighten with approximately 60 percent of production off the market as a result of labor disputes. The shortage of chlorine remained critical with the scarcity affecting output of all the chlorides. There was no improvement in the supply of caustic potash, potassium carbonate, white sal ammoniac, ammonium bicarbonate or sodium nitrite.

October books for copper sulphate have been opened and a sizable backlog is piling up. Export orders for this material were floating around the market from Spain and Colombia and were uncovered. Nickel sulphate and other nickel salts remained under allocation with producers attempting to meet 70 percent of original requirements. Demand for zinc sulphate showed definite improvement with stocks steadily becoming shorter.

Paper production based on a percentage of six-day capacity was 106.8 percent for the week ending July 29, according to the American Paper and Pulp Association. This compared with 102.5 in the preceding week and 84.0 for the corresponding week in 1949.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce and the Chemical Division of the Tariff Commission.

Aluminum Sulphate—Consuming demand active from paper mills and water works. One of the large producers has advanced the price of commercial to $33 per ton works for bags in carlots. There was no change in the price of iron free.

Ammoniac Sal—White granular continued definitely tight with only one of the two producing plants operating. Some material has been brought in from England but not enough to have any important influence on the market situation. Meanwhile, demand has increased and it was stated that the Signal Corps has exerted pressure for the shipment of dry batteries.

Ammonium Bicarbonate—Supply situation exceedingly tight with the only producing plant shut down since June 12 and cracker bakery inventories definitely low.

Arsenic—April importations of white arsenic amounted to 2,013,000 pounds including 1,501,000 pounds from Mexico, 396,000 from Belgium and the remainder from Sweden and Portugal. Total imports in March were 2,068,000 pounds. It is stated that Portugal's exports in 1949 amounted to 743 metric tons. Stocks have been accumulating at the rate of about 100 tons a month and at the close of 1949 amounted to approximately 700 tons.

Bleaching Powder—Supply conditions have tightened as a result of the chlorine shortage. Stocks are still meeting demand and there were reports in the trade that higher prices may be made effective in the near future.

Calcium Carbide—A report from the statistical bureau of the Republic of Korea states that production of calcium carbide in 1949 was spotty, chiefly because of the shortage of electric power. It totaled 1,466 metric tons. None was produced in the last quarter of the year, nor in January-February, 1950.

Carbon Bisulphide—Production in May was 32,529,692 pounds, compared with 35,160,270 pounds in April. Market firm with steady demand.

Carbon Tetrachloride—Stocks continued short with producers allocating material to contract consumers. It was stated that the tight position of chlorine is seriously affecting production of carbon tetrachloride. May output is placed at 19,768,282 pounds, compared with 17,604,139 in April.

Market Trends

Prices Advanced

Sodium metasilicate, 35c. per 100 lbs.
stannate, .09c. per lb.
Tin chloride, 1.28c. per lb.
crystals, 1c. per lb.
metal, 1c. per lb.
oxide, 1½c. per lb.
tetrachloride, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 5, 1949
223.4	223.4	223.4	216.4	222.4

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 5, 1949
121.9	121.9	121.9	121.8	121.8

(*For Current Prices see Page 9*)

Chlorine — Continued cutback production as a result of labor difficulties has kept the supply position exceedingly tight with probabilities of the situation becoming worse as long as the strike-bound plants remain inactive. The manufacture of chemicals processed with chlorine has been seriously interrupted and the current shortage has been reflected in various industries.

In tracing price records from January 1927 to January 1936, the range extended from 4c. per pound for tankcars, works in 1927 to 1.65c. in 1933 back to 2.25c. in 1934 and down to 2.15c. per pound in January 1936.

Five factories in India produce chlorine and have an estimated annual capacity of 7,000 long tons. Although they could make 6,500 tons of bleaching powder and 4,500 tons of liquid chlorine annually, output has been considerably less. The importation of large quantities of bleaching powder is said to handicap marketing of the domestic product.

Copper Sulphate—Opening of October books has resulted in a sizable amount of business being placed for that month at present prices. Inquiry from Florida has started and the industrial demand is holding well above normal. The supply condition has remained definitely tight while export inquiry has increased. Orders for 500 tons for Spain and 2,000 tons for Columbia for shipment by September were in the market. It is stated that Spain could purchase from England but has no sterling but does have dollars. April exports totaled 5,583,000 pounds all to Latin American countries. March exports were 3,524,000 pounds.

The United Kingdom's exports of copper sulphate in the first quarter of 1950 more than doubled in quantity and value over those in the corresponding period of 1949, according to statistics of the Board of Trade. Exports in the first 3 months of 1950 totaled 14,408 long tons, valued at £665,077, whereas in the first quarter of 1949 they were 6,772 tons (£291,233).

Nickel Sulphate—Supply running short of heavy demand from platers. Producers are allocating material on the basis of 70 percent to contract consumers. The same allocating ratio is also being followed in other nickel salts.

Potash, Caustic — Cutback production has continued to hold this market in a tight supply condition with the shortage more pronounced in the dry forms than in the liquid.

Potassium, Carbonate—Supply situation much tighter than in caustic potash and not much chance of easement until one of the strike-bound plants starts operating. Meanwhile, demand from the glass specialty plants has remained exceedingly active.

Potassium Chlorate — Buying activity, while coming in spurts, has increased and match factories have about all August production under contract. September shipments were available, however, at former prices.

Salt Cake—Kraft paper mills as well as glass plants have continued to purchase this material in substantial quantities. One of the large producers is now naming $15.00 per ton for bulk at the works. May production of crude commercial was down to 37,895 tons, compared with 43,010 in April and 43,208 tons in May 1949.

Production of natural sodium sulphate in Saskatchewan, Canada, in 1949 totaled 120,777 tons, valued at $1,644,450, compared with 150,964 tons ($2,098,400) in 1948, the Provincial Department of Natural Resources reports.

Soda Ash—Available stocks were tighter than in the previous week. With pro-

For Late Market Developments, See Page 4

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duction down to about 40 percent, the supply outlook is not good and no improvement can be effected until the strike-bound plants begin operations.

French production of soda ash averaged 48,471 tons monthly in 1949, a drop of more than 11,000 tons from the 1948 average of 59,597 tons. Output in January and February 1950 was 61,108 tons and 53,044 tons, respectively.

Soda, Caustic—Supply situation becoming tighter with a definite shortage of flaked and other dry forms. Liquid is also tight but not as short as the dry forms. A sizable amount of production is being lost by labor difficulties at four important plants.

OPD started quoting liquid caustic soda in 1929. In January of that year the price in tankcars was $2.55 per 100 pounds, works. Over the period to 1936, the record shows $2.15 in 1932 which was low, back to $2.20 in 1933 and $2.25 in 1936.

Monthly average production of caustic soda in France in 1949 was 17,913 metric tons, compared with an average of 16,335 tons in 1948, the Ministry of Industry and Commerce reports. Output in January and February 1950 was 21,954 tons and 20,295 tons, respectively.

Sodium Metasilicate — Anhydrous is priced higher at $4.60 per 100 pounds in drums, carlots and at $4.35 in bags f.o.b. the works. Less carlots are priced at $4.85 in drums and at $4.60 in bags, also works. The upward revision is attributed to higher producing costs.

Sodium Phosphate—May output of meta was slightly higher. The totals stood at 2,994 tons and 2,755 tons for May and April respectively. In May last year, production registered 2,019 tons. May production of tetra was 7,239 tons, against 7,048 in April and 5,586 in May 1949. Output of acid pyro was 796 tons in May and 701 in April. Production of tripoly was 20,047 in May and 19,524 tons in April.

Sodium Sulphate — Anhydrous refined production in May amounted to 14,741 tons, compared with 13,680 in April and 10,865 tons in May, 1949.

Tin Salts — Market strong with prices higher as a result of an advance in the metal. Producers are not inclined to consider new business this side of October. Closing prices were: — tin chloride stannous anhydrous 84.18c. to 85.18c. per pound, crystals hydrous 69c., oxide 98c. and tetrachloride anhydrous 58c. to 59c. per pound, all f.o.b. the works. Sodium stannate was higher at 55.5c. to 60.9c. works, freight allowed East.

Acids

Acetic—Supply situation in glacial has tightened appreciably and one producer has advanced the tankcar price to 8c. and ½c. per pound advance all around. The revision is for spot and contracts October 1, freight equalized with competitive points. Demand from the rayon mills has shown a substantial increase and the textile industry in general is using more glacial with reports heard that the government is in the market for cloth. It was also stated that the recent advance in alcohol has discouraged producers of ethyl from making acetic acid. May production of synthetic acetic acid was 39,246,194 pounds, compared with a revised total of 35,805,516 in April. The amount of recovered acid in May was 173,249,908

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Atlas Appoints King Sales Head of Industrial Chemicals

George J. King, branch manager in New York for the Atlas Powder Company, Wilmington, Del., has been appointed director of sales of the company's industrial chemicals department, succeeding E. W. Sann, who has been transferred to special duties as assistant to Vice-President F. S. Pollock, according to J. R. Frorer, general manager of the department.

George J. King

Other new appointments in the department revealed by Mr. Frorer are J. V. Miller, director of a newly created sales development division; C. D. Pratt, director of the technical division, and N. P. Spang, director of services.

L. G. Parkinson, manager of the Chicago district office, succeeds Mr. King in New York; Harry Paul of the Boston office, replaces Mr. Parkinson in Chicago, and W. S. Rhoads is transferred from Chicago to take charge of the Boston office.

pounds, against 153,674,294 in the preceding month. Production of natural was 1,765,767 pounds in May, compared with 1,700,489 in April.

Chromic—Increased demand for plating requirements has materially tightened the supply and permitted resales at premium prices for spot stocks.

Hydrofluoric—Demand fair but not of a character to over-tax output. May production totaled 3,285 tons of anhydrous and technical, compared with 3,006 in April and 2,517 tons in May 1949.

Muriatic—Firm with stocks sufficient to meet current requirements without difficulty at former price levels,

Nitric—Supply position tighter than a month ago with demand increasing. Prompt shipments were still available.

Oxalic — Buying interest has not increased to any appreciable extent. Prompt or immediate shipments were obtainable at former prices.

Phosphoric — Market firm with supply tight. One of the producers whose plant was recently damaged by an explosion is now operating at 50 percent capacity and expects to be back to normal some time next month. Total May production amounted to 146,666 tons including 74,405 tons made from phosphorus and 72,265 made from phosphate rock. April output was revised to 155,319 tons and in May production registered 114,045 tons.

Sulphuric — Supply conditions did not improve last week. Judging from trade reports, stocks are short in various areas as a result of a steady increase in demand. Prices continued firm but unchanged.

Nonferrous Metals

Aluminum—Two of the major producers are now allocating shipments and another has announced stepping up production to meet the increased demand for civil and military requirements. The market position is strong with no new price developments to report.

Copper—Maintenance of active demand held the market firm with sellers allocating supplies to domestic consumers. It was stated that July shipments totaled a little over 100,000 tons and that over half that amount is now on the books for August. Electrolytic was priced at 22½c. per pound delivered Valley or Midwestern points.

Lead—Prices firmly maintained by leading sellers with demand active for home and export and good tonnages booked for both accounts. Common grade priced at 12c. per pound New York and 11.80c. St. Louis.

Quicksilver—Buying interest active with market holding its recent advance. There was an absence of round lot offerings on spot but $79 per flask was named for September. October arrivals and on 1,000 flasks, $76 was named. The spot market closed firm with sales involving 10 or 15 flasks reported at $80. Suppliers are endeavoring to curb speculation and sustain the market on a demand and supply basis.

San Francisco inquiry has been active with very little spot metal available. Present quotations are $79-$80 per flask.

Silver — Market remained steady over the turn of the month. Demand and supply seemed about in balance and no new price changes developed. Bullion was priced at 72¾c. per ounce in the New York market at the close of the week.

Tin—Subjected to considerable irregularity in the price movement and still sensitive to developments in the Korean area and to price fluctuations at London and Singapore. Grade A sold at 95c. per pound on spot early in the week and later at 98½c. with dealers operating within this range. At the close 98½c. was the prevailing price.

Zinc—Shipments are being allocated for August shipment with demand active and stocks tight. September shipment also commanded increased attention. Prime western closed firm at 15c. per pound, East St. Louis basis.

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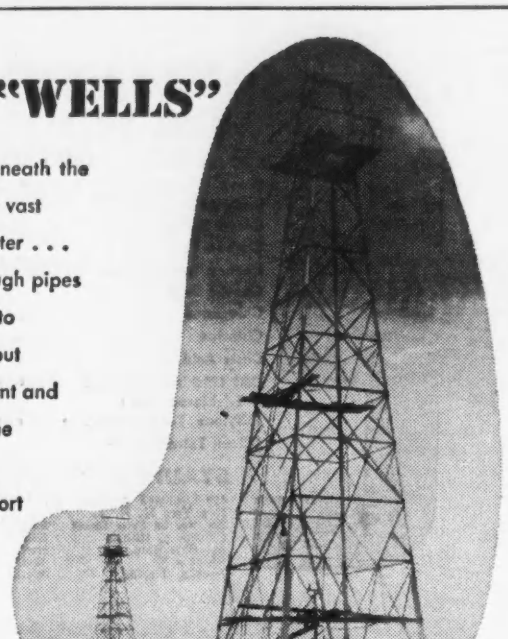

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Minn. Mining Workers Share in Firm's Profits

More than 6,800 employees of Minnesota Mining & Manufacturing company received checks August 3 for a share of the firm's profits for the second quarter of 1950. A total of $349,375 was set aside for distribution to employees at twenty-eight plants and offices in fifteen states. About 4,400 of those affected work at the main plant and offices in St. Paul, Minn.

The payment was the fifty-fourth consecutive quarterly profit-sharing distribution made by the company, and the largest in the thirteen-year history of the plan. Employee dividend payments are based on individual earnings for the quarter. Those with more than thirty months' service received checks for 7.4 percent of their total regular and overtime income for the second three months of 1950. Shorter-term workers received amounts based on their length of service. The program is in effect for all permanent employees not participating in any other form of extra compensation.

ACCCE Aid Visits West

A. B. Bowers, director of publicity for the Association of Consulting Chemists and Chemical Engineers, New York, has gone to the West coast where arrangements have been made for informal meetings of association members and other consulting chemists in and near Los Angeles and San Francisco.

Soda Ash Industry in India Gets Government Protection

India will protect its soda ash industry until March 31, 1953, by increasing the revenue duty of 18 percent ad valorem to a protective duty of 40 percent ad valorem on imports from a British colony and similarly from 30 percent ad valorem to 50 percent ad valorem on imports under the standard rate, applicable to those from the United States and the United Kingdom. In addition, a subsidy of 1 rupee per 112 pounds will be paid to domestic producers. Although imports will, in theory, be banned up to December, 1950, it is possible it will be necessary to permit imports of approximately 25,000 tons in the latter half of 1950.

Bryan Assistant Sales Head of Chilean Nitrate

Fred P. Bryan has been appointed assistant sales manager of the Chilean Nitrate Sales Corporation, New York, according to J. F. Doetsch, president of the company. Mr. Bryan, whose headquarters will be in Raleigh, N. C., has been with the firm

Fred P. Bryan

for more than twenty years and has served as district manager at Raleigh and Montgomery, Ala.

B. Frank Crumpler, who has been with the company for fifteen years, will succeed Mr. Bryan as district manager for North Carolina, Virginia, West Virginia, District of Columbia and Western Maryland.

J. S. Howard, district manager at Columbia, S. C., is retiring after more than twenty years' service with the company. He has been succeeded by Edwin Sterne, jr.

Union Promotes Norman

Henry J. Norman, assistant sales manager of Union Pharmaceutical Company, Montclair, N. J., has been promoted to sales manager of the company and its subsidiary, Artra Cosmetics, Inc.

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Petroleum Derivatives

Yellow petrolatum was up ¼c. per pound and white was up ⅜c. last week as another producer joined an upward price move started during the previous week. High flash naphtha, 340-440 b.r., 32°C., m.a.p., advanced 2c. per gallon with one manufacturer, bringing the low side of the price range up but leaving the high side untouched.

Toluol, which had been on the tight side was becoming even tighter, and in some quarters it was reported to be about as tight as xylol. Higher boilers remained tight. Demand was good and the supply was expected to become even tighter. The aliphatics were steady at the recently advanced listings. Demand was holding at reasonably good levels, and the paint trade, now in its busy season, was taking considerable amounts. Supply was sufficient for the needs of the market.

Hexane was showing some increase in demand but heptane and pentane were holding at about previously noted levels. LPG's were coming in for a good summer demand. Microcrystalline wax and paraffin were holding to former price levels. White mineral oils were higher in one segment of the industry, but the advanced prices still had not become general, although additional action was expected shortly.

Solvents and Diluents

Aromatic Solvents—Xylol, which had been in a very tight supply position for some time, was just as tight during the past week, and the demand was continuing at just as strong a rate. Toluol, which for some time had been a bit easier than xylol, was tightening up during the past week. It was now said to be just about as tight as xylol, and the demand was coming in at strong levels. Buyers, fearing difficulty with future supply, were reported to be buying ahead as much as storage facilities would allow so as not to be caught without stocks if a more serious supply situation should develop. There were no changes in the price listings of either material and there were no indications that any were in prospect for the immediate future.

One maker of intermediate aromatic solvents last week announced that it had advanced the listings of two grades 2c. per gallon. These were:—300-400 b.r., 28-32°C., m.a.p. and 340-440 b.r., 32°C., m.a.p. The former advance still left the maker within the price range but the advance on the latter served to lift the low of the range to a new figure of 27¾c. No action was taken in other quarters. Demand was reported running from normal to strong while supply was sufficient to tight, depending on producer. The supply of higher boilers was still tight and, if anything, was expected to become tighter. The demand was good and the indications were that it would continue that way. There were no changes reported in the price range and there were no signs that any were pending.

Cleaners' Naphtha — Following recent advances in the listings, there were no changes announced in the price structure of this material during the period under review, nor were any anticipated. Demand was running along at reasonably good levels and the supply was sufficiently high to meet it without any particular difficu ty.

Lacquer Diluent—The supply of this item was high enough to meet the demands of the market without any particular trouble, despite the fact that demand was good at this time of year, now that the protective coatings industry was in its busy season. The price structure was unchanged during the period and there were no changes anticipated for the immediate future.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended July 22 totaled 239,651,000 barrels, according to the Bureau of Mines. Compared with the total of 238,485,000 barrels for the preceding week, this represents an increase of 1,166,000 barrels, comprising an increase of 831,000 barrels in stocks of domestic crude and an increase of 335,000 barrels in stocks of foreign crude.

Market Trends

Prices Advanced

Petrolatum, USP, yellow, ¼c. per lb. white, ⅜c. per lb.
Petroleum, naphtha, high flash, 340-440 b.r., 32° C., m.a.p., 2c. per gal.

Prices Reduced

None

(For Current Prices see Page 9)

Mineral Spirits—The paint trade was in its busy time of the year and this was producing an added call for this material. All in all, the demand was considered good. The supply was at sufficiently high levels to meet it without causing any particular strain on the industry. Prices, along with the other aliphatics, advanced a short time back but as of last week they were holding their own and were expected to do so for the immediate future.

Rubber Solvent—Demand held to good levels during the period under review, with the rubber industry still taking its share of the item. There was no trouble with the supply situation and normal orders could be filled without any particular difficulty. Prices were holding at the recently established higher levels and there were no indications of any changes pending for the immediate future.

Stoddard Solvent—Pricewise, this item was unchanged during the period under review and there were no indications that there were any changes in prospect for the immediate future. The demand was continuing at good levels and with the paint trade in its busy season, was expected to continue that way for the immediate future at least. Supply was sufficiently high to obviate any real problem as far as the filling of the needs of consumers was concerned.

V. M. & P. Naphtha—Supply was at good levels and could fill the market's needs without difficulty. Demand was holding well, particularly now that the paint trade was in its busy season. There were no changes reported in the price listings and none were anticipated for the immediate future.

Lighter Fractions

Heptane—Demand was reasonably good last week and in some sections of the trade it was thought that there might be a pickup before too long. The supply was sufficient for the normal needs of the market. Prices were unchanged, although there had been talk of a tightening in price at about this time.

Hexane—Demand for this material was said to have picked up during the last three weeks, although not because of new consumers. Prices, however, showed no change.

LPG's—With the summer demand still on, the general call for this material was at good levels during the past week and was expected to continue that way at least through the current month. Supply was sufficient for the needs of the market. There were no changes reported in the price structure and there were none anticipated for the immediate future.

Pentane—Demand was so-so last week. Supplies were adequate and the price structure was without change.

Waxes

Microcrystalline—Demand was holding up at a good rate during the past week and indications were that it would continue that way. In some sections it was said that the supply was tight, but in others the report was that the supply was satisfactory. Although prices on the low melting point waxes were higher there were no changes noted in the listings of the high melts.

Paraffin — Demand continued to be noted at good levels last week and there were no changes in this condition expected. Supply was reported to be tightening. Pricewise, the market was without feature and there were no revisions expected in the immediate future.

Miscellaneous

Crude Oil—The daily average production of crude petroleum rose by 175,000 barrels to 5,143,000 barrels in May compared with the previous month, according to the Bureau of Mines. Practically every state showed some gain in daily average production in May, with an increase of 99,000 barrels in Texas, 21,000 in Louisiana, 14,000 in California and 9,000 in Oklahoma. The indicated demand for domestic crude petroleum averaged 5,271,000 barrels daily or 366,000 barrels above the April rate. Stocks of domestic crude

For Late Market Developments, See Page 4

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1035	195/200	2 max.	2 to 2½	Nil	Nil
* 23	180/185	6 max.	6 max.	20/25	55/65
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declined at an average rate of 153,000 barrels a day, in contrast to an increase reported for April. Total crude stocks, domestic and foreign, were 239,877,000 on May 31, compared with 244,605,000 on April 30. The amount of domestic crude petroleum that will be consumed or exported in August, 1950, is estimated by the Bureau of Mines at 5,450,000 barrels daily compared with 5,310,000 forecast for July.

Petrolatum—A second producer during the week advanced its prices, following the earlier move of another in putting up its listings by ¼c. on the yellow grades and ⅜c. on the white grades. Demand was strong and supply was said to be sufficient to tight, depending on producer.

White Mineral Oils—Advances in price were announced by one producer during the period, but another was still holding although it was expected to up its schedules shortly. The advances ran from 5½c. to 6½c. in carloads, depending on grade, and 1c. higher in less carloads.

Los Angeles Petroleum Market

The solvent and diluent market continues without change. Inquiry is following the normal seasonal pattern with supplies adequate to meet the demand. Current listings are:—Cleaning solvent, 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluent, 16½c. to 20½c. per gallon, same basis, and stoddard solvent quoted from 15.7c. to 19.5c. per gallon, same basis.

Stocks are reported plentiful for both butane and propane with inquiry on the light side as in previous weeks. Listings for both L.P.G.'s are unchanged at 5.3c. per gallon, tankcars, f.o.b. Los Angeles.

The market for high melting point waxes continues unchanged with supplies on the heavy side. Prices quoted as follows:—140 147 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, 6.95c. per pound. 146/148 ASTM, same basis, 7.15c. per pound. 157 162 ASTM, same basis, 7.6 c. per pound. Tankcar prices listed at 6.05c., 6.25c. and 6.9c. per pound respectively.

Taconite Development Urged

Bills were introduced in the senate and house last week authorizing the Reconstruction Finance Corporation to extend financial assistance to the development of taconite and other minerals advantageous to national defense. The bills were S. 3948, by Senator Edward J. Thye of Minnesota; S. 3949, by Senator Hubert H. Humphrey of Minnesota, and H.R. 9202, by Representative John B. Bennett of Michigan.

NPC Appoints Storage Capacity Study Group

Walter S. Hallanan, chairman of the National Petroleum Council, has announced the appointment of a committee on storage capacity. The committee was appointed in response to a request from the Secretary of the Interior, dated July 21, wherein the council was asked to study and report on storage capacity for crude oil and products.

The membership of the committee on petroleum storage capacity, headed by L. S. Wescoat of the Pure Oil Company, Chicago, is as follows:—H. T. Ashton, Western Petroleum Refiners Association, St. Louis; Paul G. Blazer, Ashland Oil & Refining Company, Ashland, Ky.; Horace E. Davenport, Independent Oil Men's Association of New England, Salem, Mass.; Charles S. Jones, Richfield Oil Corporation, Los Angeles; John M. Lovejoy, Seaboard Oil Company of Delaware, New York; Baird H. Markham, American Petroleum Industries Committees, New York; Rankin P. Peck, National Congress of Petroleum Retailers, Detroit; M. H. Robineau, the Frontier Refining Company, Denver; Roland V. Rodman, Anderson-Prichard Oil Corporation, Oklahoma City; Clarendon E. Streeter, Pennsylvania Grade Crude Oil Association, Bradford, Pennsylvania, and W. W. Vandeveer, Cleveland.

Socony-Vacuum Wartime Employees Plan Effective

Socony-Vacuum Oil Company's plan for employees in military training and service, which was in effect throughout World War II, has now been extended and substantially liberalized.

Under this present plan, each qualified regular employee who enters military service after having been with Socony-Vacuum for six months or more receives from the company full regular pay for the first thirty days after entering military service. Thereafter, the plan pays to such persons with dependents at least one-half of regular pay for the entire remaining time in military service, subject, however, to deduction of military pay and allowances.

Benefits provided by Socony-Vacuum to its regular employees are also continued for those persons entering military service.

Textile and Leather Chemicals

Buying interest in textile and leather chemicals continued keen last week. Market tone was strong and the tendency of prices was upwards, though the only advance announced was for domestic egg yolk, which was raised 7 cents per pound. Other materials were unchanged, but firm. The index advanced 5.9 points.

Bichromates and other chemicals continued in active request, with producers refusing new business and allocating supplies to regular customers.

Sizing materials were absorbed in good volume. Corn dextrin was in active request and allocated to regular customers, while corn starch will be allocated shortly. Prices for corn derivatives were unchanged, but orders were accepted only at the market price on date of shipment. Potato starch was in steady demand for prompt and forward requirements. Stocks held by grinders were getting smaller. Sago flour was scarce and firm owing to the high cost of replacements. Tapioca flour was quotably unchanged, but steady.

Tanning materials replacements commanding more inquiry. Trading has improved as tanners displayed increased interest in building up inventories. Prices for shipment were unchanged and steady. Leather market was stronger and prices were higher. Demand for sole leather has improved and tanners were sold ahead 30 days and more on sole leather and 60 to 90 days on side upper leather and calf.

Production and Marketing Administration has announced the average loan rate for middling ⅞ inch upland cotton, gross weight, produced in 1950 will be 27.90 cents per pound, which is 90 percent of the parity price of cotton at 31c. as of August 1. Last year the average loan rate was 27.23 cents per pound. The average rate for middling 15/16 inch cotton will be 155 points (1.55 cents per pound) above the average for middling ⅞ inch cotton, or 29.45 cents per pound, gross weight.

Market Trends

Prices Advanced

Egg yolk, domestic, 7c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 5, 1949
248.7	242.8	225.2	286.0	311.1

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Consuming inquiry continued active for prompt and forward requirements. Prices were unchanged and strong. Production in May totaled 75,133,121 pounds, against 65,734,442 pounds in April was reported by the Census Bureau.

Bichromates—Critical supply situation of soda ash due to strikes which have reduced production to 40 percent of normal, continued to restrict business in bichromates. Producers limited sales to regular customers. Prices were unchanged and firm. Resale lots of sodium bichromate commanded premiums of about 4c. per pound above producers' prices.

Sodium Acetate—Trading was fairly active for prompt delivery. Market was strong at unchanged quotations.

Sodium Hydrosulphite—Conditions continued firm under a steady consuming demand for prompt and forward delivery. Uncertainty of soda ash supply situation due to strikes caused sellers to limit sales to regular customers. Quotations were unchanged and firm.

Sulphonated Oils—Increased cost of basic oils has stiffened this market. Prices of sulphonated oils were unchanged as producers were operating on oils purchased before costs were advanced.

Sizing Materials

Corn Dextrin—Active demand was noted for all grades for prompt needs which was larger than available supplies. Producers allocated quantities to regular customers and turned down new business. Prices were unchanged but orders were booked at market price on date of shipment.

Corn Starch—Heavy demand continued to feature the market. While quotations were unchanged producers have changed selling policy and orders were accepted at the market price on the date of shipment. Visible corn supply increased 257,000 bushels to 37,457,000 bushels for the week ended July 29, compared with 5,059,000 bushels for the same time last year, it was reported by the Chicago Board of Trade. Production and Marketing Administration reported July 31 that farmers had put 385,263,697 bushels of 1949-crop corn under Commodity Credit Corporation price support through June, 1950. This preliminary figure compares with a final quantity of approximately 555,638,507 bushels of 1948-crop corn put under support through June, 1949.

Egg Albumen—Market was firm at the recent sharp price advance. Trading was moderate. Edible flake was maintained at $1.30 to $1.32 per pound, depending upon quantity and powder, at $1.33 to $1.35, same basis. Technical grade was steady and prices covered a wide range from 72c. to 82c. per pound, depending upon quality and quantity. Production and Marketing Administration announced that the purchase of dried eggs will be continued during September of at least 25 cents a dozen (27 cents a dozen when delivered by the producer to the plant of the drier). This will be a continuation of the support program that has been in effect since January, and at the same levels. Vendors must certify that they have paid producers these prices for eggs in the surplus-producing areas. Offers of dried eggs will be received for September delivery beginning August 8.

Production of liquid egg in June amounted to 90,233,000 pounds, compared with 79,265,000 pounds for the same month last year and 112,990,000 pounds, the 1944-48 average it was reported by Bureau of Agricultural Economics. Dried egg production in June totaled 16,316,000 pounds, against 7,788,000 pounds in June, 1949. June production consisted of 15,817,000 pounds of dried whole egg; 255,000 pounds of dried albumen and 244,000 pounds of dried egg yolk. The government contracted for 75,578,300 pounds of dried whole egg through July 19, this year, for egg support purposes. The output of dried whole eggs for the first six months of 1950 totaled 64,067,000 pounds, compared with 47,889,000 pounds for the same period last year.

Egg Yolk—Prices of domestic were lifted 7c. to $1.20 to $1.22 per pound, depending upon quantity. Supplies were materially reduced due to active demand and closely held. Chinese yolk was steady, ranging from 83c. to 87c. per pound, spot, duty paid, according to seller and quantity.

Potato Starch—Steady consuming demand continued for prompt and late summer requirements. Market was strong at unchanged quotations. Carlots were held at 5½c. per pound, f.o.b. Maine and 5¼c. per pound, f.o.b. Idaho. Supplies on spot were unchanged at 7¼c. to 7½c. per pound, ex-warehouse, as to quantity.

Sago Flour—High cost of replacements continued to keep spot situation strong. Stocks on spot were firmly held at 7c. to 7½c. per pound, as to quantity.

Tapioca Flour—Business was spotty, chiefly for actual needs. Prices were unchanged and steady. Brazilian high grade was quoted at 7c. to 7½c. per pound, as to quantity; medium, 6½c. to 7c. and low, 5½c. to 6c. exwarehouse. Siamese high grade was maintained at 5¾c. per pound and low, 4½c. per pound, exdock.

Tanning Materials

Chestnut Extract—Trading was fairly active for prompt needs. Market remained unchanged and steady. Arrivals at New York were reported 190 bags from Marseilles last week.

Cutch—Demand for replacement was active and offerings were readily absorbed. Market was firm at 6¾c. per pound, exdock.

Mangrove Bark—Buying interest was more active for replacements. Shipments of South American bark were maintained at former levels.

Myrobalans—Trading was quiet, though consuming inquiry improved. Quotations were unchanged and steady.

Quebracho Extract—Interest in replacements was more active for prompt shipments. Prices were maintained at current levels. Imports totaled 7,690 bags at New York last week.

Wattle—Tanners continued to show an active inquiry for shipments. Offers of both materials were scarce and market was firm at current quotations. Bark imports totaled 14,040 bags and 4,340 bags of extract at New York last week.

For Late Market Developments. See Page 4

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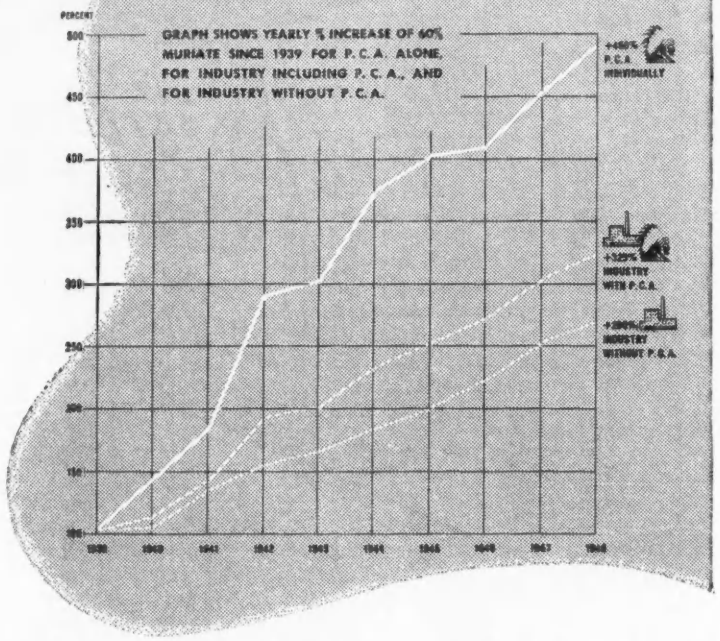
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Agricultural Chemicals

Steamed bone meal prices were advanced last week under an improved demand from both the feed and fertilizer trades. Limited available supplies of hoof meal at Chicago have caused sellers to advance the price. No price changes occurred in dried blood or tankage and the edge appeared to be off demand. Inquiry for menhaden meal was not as sharp at Baltimore although the recent price advance was sustained. Shortage of nitrogenous process tankage in this area has caused producers to allocate stocks. Suppliers of castor pomace advanced prices and offered sparingly.

Ammonium nitrate continued tight with reports current that production has been heavily sold ahead. Ammonium sulphate was relatively quiet with the market working into a strong position. No new developments featured phosphate rock or superphosphate. Potash found a steady outlet through contract channels. There appeared to be plenty of sodium nitrate available to meet current requirements.

Shortage of chlorine is interfering with production of BHC and DDT. Both insecticides gave no indication of supply easement last week. Cryolite stocks have been equal to demand. More inquiry for calcium arsenate has reached the market. Copper sulphate continued definitely tight and stocks of zinc sulphate, powdered grades, were tighter than at any time this season. Price of aldrin has been advanced to cover higher producing costs.

One and one-half times more fertilizer was delivered to Soviet agriculture in the spring of 1950 than in the corresponding period of 1949, the Central Statistical Administration of the U.S.R.R. reports.

Production figures appearing below, unless otherwise designated, are from the Chemical Division of the Tariff Commission, exports and imports are from the Department of Commerce.

Nitrogenates

Ammonium Nitrate — Supply situation tight which is rather an unusual condition at this period of the year. According to trade reports, demand is flush with production and it appears that nitrate is finding a broader use in the fertilizer trade than ever before. In some quarters it was stated that production is under contract for the season of 1950-1951.

Ammonium-Nitrogen-Dolomite—A large plant in Austria achieved a record output of 30,000 metric tons of ammonium nitrate-limestone mixture in March, 1950, states the Austrian press. In the first quarter of 1950 the factory exported 140,000 tons of this mixture; 25,400 tons went to Poland, 14,000 to Spain, 12,700 to the Near East, 11,500 to Czechoslovakia, 11,000 to Yugoslavia, 10,300 to the Netherlands, and 7,500 tons to Greece.

Ammonium Sulphate—Production meeting requirements in most instances although there appears to be no surplus at the present time. Domestic demand for coke-oven material is described as normal for this period of the year. While a lot of converters' stock has been sold for export, the supply situation has continued tight.

Bone Meal—Steamed was priced higher at $60 per ton works under improved buying by both the feed and fertilizer trades. The raw grade was unchanged at $62.50 per ton works.

Castor Pomace — Producers have advanced the carlot price to $32.50 per ton for bags f.o.b. the works.

Dried Blood—Tone a shade easier with the edge off demand for feed use. New York named $8 and Chicago $8.50 per unit of ammonia.

Fish Meal—Held its recent advance although demand did not appear as sharp as in the preceding week. Menhaden was quoted at $135 per ton at Baltimore and scrap at $127.50.

Hoof Meal—Priced higher at $8 per unit of ammonia at Chicago with offerings limited and buyers hesitating about following the upward price movement.

Nitrogenous Process Tankage—Some of the eastern producers have found it necessary to allocate this material. Production is heavily under contract for nearby shipments. Prices are firm at $3.90 to $4 per unit of ammonia, bulk at the works.

Sodium Nitrate — Market relatively quiet which is not unusual at this period of the year. Stocks meeting requirements promptly at former price levels.

Tankage—Fairly active at the late advance with sales reported at $8 per unit of ammonia New York and at $9 Chicago with feeders the principal buyers.

Urea—According to advices from Frankfort, approximately 2,000 metric tons of urea—46 percent nitrogen—have been available for export from Germany. About half was suitable for feedstuffs and the remainder for industrial use.

Market Trends

Prices Advanced

Aldrin, 9c. per lb.
Bone meal, steamed grade, $2.00 per ton.
Castor pomace, $2.00 per ton.
Hoof meal, $1.00 per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 5, 1949
82.2	82.2	82.2	81.6	81.6

(*For Current Prices see Page 9*)

Phosphates

Phosphate Rock—Shipments are moving to contract consumers but new business did not exceed seasonal dimensions. Some material is moving to England but inquiry from other foreign sources has slowed down temporarily at least.

Superphosphate — No unusual activity last week. Demand did not exceed seasonal dimensions and no new price changes developed. Stocks appeared adequate to meet the off season demand.

Production of superphosphate in Spain in 1949 increased to 845,000 metric tons from 708,095 tons in 1948. Larger supplies of imported phosphate rock were available in 1949.

Potashes

Demand steady with shipments confined to contract consumers and production maintained at capacity levels. It was stated that Japan is in the market for 30,000 tons of foreign muriate and will open bids at Tokyo on August 8. An arrival of 181 bags of potassium sulphate at Philadelphia was noted.

Belgium is on an import basis for potassic fertilizers. Imports of crude potassium salts in 1949 totaled 454,000 metric tons—346,000 tons from France and 102,121 tons from the Soviet Zone of Germany. About 100,000 tons were reexported, chiefly to Scandinavian countries. Imports of potassium muriate in 1949 amounted to 421,000 tons; about 285,000 were reexported. The chief sources were France and Spain and the leading destinations were the United Kingdom, Canada, and the United States. Exports of potassium sulphate in 1949 totaled 94,000 tons and went principally to the United Kingdom, the Netherlands, Norway, and Japan.

Los Angeles Fertilizer Market

Los Angeles.—The overall market is witnessing slightly more activity than is normal for the present season. While supplies are adequate, the increased activity points towards possible shortages later this year. Recent tuna fishing operations off the Southern California Coast have been very successful which indicate an increase in production of tuna meal. Meantime, fish meal supplies here are light. Canadian ammonia nitrate is up 45c. per ton, currently quoted at $70.39 per ton f.o.b. Los Angeles. This increase is in added freight costs as the shipping point of the material has been changed. Whereas the change has advanced the price f.o.b. Los Angeles, it has resulted in a decrease for f.o.b. prices in areas around this point such as Riverside, Imperial Valley, etc. Triple superphosphate is becoming scarce. Local movements of bone meal have been slow.

Ruling prices were:—Ammonia nitrate, $69.94 per ton, domestic, f.o.b. Los Angeles. Canadian material quoted $70.39 per ton, f.o.b. Los Angeles. Ammonia phosphate, $65.15 per ton for 16/20 grade, f.o.b. Los Angeles. $89.65 per ton for 11 48 grade, f.o.b. Los Angeles. Canadia material. Ammonia sulphate, $49 per ton bagged, f.o.b. Los Angeles. Canadian material same in bags. $2.50 less for bulk. Blood meal, $6.75 per unit of ammonia at source. Bone meal, $70 per ton for imported, steamed. 1 30 meal, f.o.b. Los Angeles. Fish meal, $149.50-$152.75 per ton for 65 percent sardine, f.o.b. Los Angeles. $135-$138 per ton for 60 percent tuna, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton for bulk. Potash muriate, 48½c. per unit in bulk, f.o.b. Trona basis. Potash Sulphate, 95 to 98 percent K_2SO_4, 84c. per unit, f.o.b. Trona. Superphosphate, $21.20 per ton bulk, f.o.b. Los Angeles area. $2.50 extra for bags. Triple, $68.50 to $72 per ton for bulk, 47 percent a.p.a., f.o.b. Los Angeles. Tankage, wet rendered, fertilizer grades, $4.50-$5.25 per unit of ammonia at production plant.

Pesticides

Aldrin—Priced higher to cover increased producing costs. For 100 percent

For Late Market Developments, See Page 4

basis $1.92 per pound for drums and $1.72 for truckloads. Equivalent solution 60 percent carlots $1.06 per pound and $1.20 for smaller quantities in drums, works, freight allowed to destination.

BHC—Supply continued definitely tight with the shortage of chlorine and benzol interfering with production. May output totaled 5,382,736 pounds, compared with 4,550,390 in April. The gamma isomer content amounted to 728,340 pounds in May, against 627,153 in the preceding month.

2,4-D—Season about over for this weed-killer. It is stated that only odd lots are leaving producing plants and that the current movement is slowing down to dealers. Kansas is taking some material for corn spraying and some inquiry still for brush control. There was no shortage of stocks this season, output keeping the market in adequate supply from April through July. May production amounted to 1,457,901 pounds, compared with 1,480,850 in April.

DDT—No easement in market supply last week. Producers are experiencing difficulty owing to the chlorine shortage. Suppliers appear confident of a strong market over the balance of the year. May production totaled 6,673,392 pounds, compared with 6,151,798 in the preceding month.

Lead Arsenate—April exports were limited to 5,000 pounds, practically all to Uruguay. The only sizable shipment during the first four months was 257,000 pounds to Brazil in January.

Nicotine Sulphate—April exports totaled 26,000 pounds, half of which went to Canada. March exports were 10,000 pounds.

Pyrethrum—Importations in April were 1,034,000 pounds, a decrease of 36 percent from the 1,622,000 received in March. Exports of extract in April amounted to 48,000 pounds, a high for any recent month and more than three times the 14,000 total for the first quarter of 1950. Paraguay, Italy and Saudi Arabia accounted for most of the April shipments.

Rotenone Sources — Peru shipped 1,175,000 pounds to the United States in April. March imports amounted to 1,121,000 pounds.

Sulphur

Consuming demand sustained at an unusually high level over the turn of the month and no indication of any easement in sight. Stocks generally meeting requirements and transportation facilities adequate to keep mine shipments prompt.

Houghton Elects Directors

E. F. Houghton & Co., industrial oils and leathers manufacturer, Philadelphia, announces the election of two new members to the board of directors. They are D. C. Miner, advertising manager who joined the firm in 1934, and William K. Barclay, jr., Philadelphia resident partner of Stein, Bros. & Boyce.

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* 40% Amine Salt Solution

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Barrett "ELASTEX" "50-B" Plasticizer is one of the most economical of all quality plasticizers. Compounds prepared with this plasticizer possess desirable properties such as :..water resistance...stability to discoloration under heat and light...toughness..: oil resistance...firm hand...tear resistance :..low migration...good electrical properties...excellent compatibility.

Profitable uses for Barrett "ELASTEX" "50-B" Plasticizer are suggested by the following formulations:

Vinyl Film, Sheeting and Extruded Products

A typical formulation for low cost, good quality material is:

Polyvinyl chloride resin	100
"ELASTEX" "50-B" Plasticizer	30
Fatty Acid Ester	10
Tricresyl Phosphate	10
Stabilizer Blend	4
	154

A typical formulation for a superior quality product is:

Polyvinyl chloride resin	100
"ELASTEX" "50-B" Plasticizer	10
"ELASTEX" 10-P or 28-P Plasticizer	22.5
Fatty Acid Ester	10
Tricresyl Phosphate	7.5
Stabilizer Blend	4
	154

Plastisol Formulations

The following is a low cost, general purpose plastisol formulation in which "ELASTEX" "50-B" Plasticizer is used as a partial replacement for the octyl phthalates. Plasticizer cost is reduced, and at the same time the flow properties of the plastisol and the oil resistance, water resistance, and tear resistance of the film are improved.

Paste resin	100
"ELASTEX" "50-B" Plasticizer	30
"ELASTEX" 10-P Plasticizer	20
Fatty Acid Ester	20
Stabilizer Blend	2
	172

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Coaltar Chemicals

On the strength of spot advances in betanaphthol, dinitrobenzene, orthonitrotoluene, synthetic phenol and sulphanilic acid, the price index for coaltar chemicals moved up 3.7 points to a new reading of 111.2. Apart from technical para-aminobenzoic and paranitrobenzoic acids, which declined, all other price changes during the period were on the up side. Increased on spot were gamma, Neville and Winther's and tobias acids; alphanaphthol; alphanaphylamine; dimethylanilin; G salt; metatolylenediamine; paranitrotoluene; paraphenylenediamine; paratoluidin; Schaeffer's salt, sodium naphthionate, and xylenol fractions.

Betanaphthol was upped 2 cents per pound, as were sulphanilic acid and USP phenol. There was no further price action taken on natural phenol, and at week's end spreads prevailed in the spot market. Dinitrobenzene and orthonitrotoluene each received one-cent boosts. Gamma acid jumped 12 cents. Metatolylenediame was upped 9 cents per pound, as was Neville and Winther's acid.

Tobias acid and alphanaphthylamine were raised 4 cents apiece. Alphanaphthol, G and Schaeffer's salts were each advanced 7 cents per pound. Paratoluidin and sodium naphthionate both went up 6 cents. Paranitrotoluene and paraphenylenediamine were advanced 3 cents and 5 cents per pound, respectively. As per previous announcements, meta and other fractions of xylenol were increased 10 cents per gallon, effective August 1 on spot and October 1 on contract. Dimethylanilin was one cent and 2 cents per pound higher on carload and tankcar quantities, respectively.

Cresylic acid was moved up 10 cents per gallon by two makers during the week, but, with at least one seller holding to the old schedule at press time, split prices on spot prevailed at week's end. Paratoluidinmetasulphonic acid was advanced 12 cents per pound in one quarter. Aniline oil and salt drew increases of one cent and 2 cents per pound, respectively, but the action was not universal. As per previous announcements, schedules of one seller went up one cent on technical cresol and 24-29 degree orthocresol and 1½ cents on USP cresol and metaparacresols, effective August 1 on spot on October 1 on contract. There was also price action during the period on dinitrochlorobenzene, metanitroparatoluidin, methylphenylpyrazolone, nitrobenzene and R salt.

Reports from companies having 94 percent of the steel capacity of the industry scheduled operations at 100.7 percent of theoretical capacity for the week ended August 5, according to the American Iron and Steel Institute. This was the equivalent of 1,919,600 tons of steel ingots and castings for the entire industry, compared to 1,892,900 tons scheduled a week earlier and 1,489,800 tons a year ago.

Basic Products

Benzol—Stocks of domestic coaltar material remained desperately short of consumer needs during the period, with buyers continuing to exploit all possible sources of supply regardless of price. Listings were firm.

Creosote—Call for both domestic and imported material continued good last week. Availability of both types, meanwhile, remained excellent. There were no price changes, and none were known to be in the making.

Cresol—As per previous announcements, one maker's spot quotations went up 1c. to 1½c. per pound during the week. Advanced 1c. were standard resin and special grades of cresol. Upped 1½c. per pound were USP cresol, 5 degree metaparacresol and 60 percent metaparacresol. Other sellers standing pat for the time being, split prices prevailed in the market at week's end. Meanwhile, with the narrow supply position further aggravated by the continued strike at plants of one major tar distiller, demand was still far greater than available output.

Cresylic Acid—Spot quotations on coaltar-derived material were raised 10c. per gallon during the week by two makers. However, since at least one other seller was still holding to the old price schedule, spreads prevailed for all types and quantities. The supply situation, previously critical, showed no improvement, and observers were of the opinion that no relief would come until one major tar distiller, out on strike since July 1, resumed operations.

Naphthalene — Though demand continued on the increase last week, suppliers reported no difficulty in keeping up with the current pace of business. In addition to domestic production, sizable quantities of imported material were available.

Phenol—The spot price of USP material was up 2c. per pound throughout the market last week, as listings stabilized at higher levels. Natural phenol, however, previously quoted at a 2c. spread, remained that way during the period, with at least one seller holding to the old schedule. Recent advances on both natural and synthetic, of course, do not take effect on contract until October 1. Supplies were still woefully inadequate to cover all consumer requirements.

Pyridin—Prices were on a par with previous levels during the past seven days. Refined 2 degree material was only in moderate demand, the slack in business stemming from the customary seasonal decline in production of certain pharmaceutical preparations.

Toluol—Supplies remained short of demand, but the position of this aromatic, though narrow, was considered better than that of xylol. Prices were maintained, the advancing petroleum market providing the main disturbing factor.

Xylol—Availability remained at a low ebb during the week. The outlook was even darker. Prices held their ground, but, in view of increasing rises in petroleum aliphatic fuels and solvents, sellers of the coaltar material were uncertain as to how long the market would remain stable.

Intermediates

Acid, Gamma—An advance of 12c. per pound, initiated earlier by one maker, went into effect throughout the spot market last week. The current price on the material is $1.32 per pound.

Acid, Neville and Winther's — Spot prices were 9c. per pound higher throughout the trade during the period, as other sellers went along with the increase by that amount effected recently by one producer. The current market listing on spot is 97c. per pound.

Acid, Para-aminobenzoic — Technical material was lowered 10c. per pound during the week. Purified prices remained unchanged. Current schedules on technical call for $1.74 per pound.

Acid, Paranitrobenzoic—This acid was also down 10c. per pound during the period. Currently the material commands 77c. per pound.

Acid, Paratoluidinmetasulphonic — A

Coke By-Products

Estimates of by-product cokeoven operations in the week ended July 22 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,047,040
Ammonia sulphate	lbs.	27,112,816
Benzol	gals.	3,416,656
Coaltar	gals.	12,674,691
Creosote oil	gals.	705,374
Naphthalene, crude	lbs.	1,675,263
Phenol	lbs.	193,386
Toluol	gals.	683,331
Xylol	gals.	154,301

Market Trends

Prices Advanced

Acid, gamma, 12c. per lb.
Neville and Winther's, 9c. per lb.
Sulphanilic, 2c. per lb.
Tobias, 4c. per lb.
Alphanaphthol, 7c. per lb.
Alphanaphthylamine, 4c. per lb.
Betanaphthol, 2c. per lb.
Dimethylanilin, 1c. to 2c. per lb.
Dinitrobenzene, 1c. per lb.
G salt, 7c. per lb.
Metatolylenediamine, 9c. per lb.
Orthonitrotoluene, 1c. per lb.
Paranitrotoluene, 3c. per lb.
Paraphenylenediamine, 5c. per lb.
Paratoluidin, 6c. per lb.
Phenol, USP, 2c. per lb.
Schaeffer's salt, 7c. per lb.
Sodium naphthionate, 6c. per lb.
Xylenol fractions, 10c. per gal.

Prices Reduced

Acid, para-aminobenzoic, technical, 10c. per lb.
Paranitrobenzoic, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 5, 1949
111.2	107.5	107.5	110.1	110.4

(*For Current Prices see Page 9*)

For Late Market Developments, See Page 4

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DBPC is an excellent antioxidant for high-grade lubricating oils for low-temperature service such as spindle oils, gun greases, waxes, etc., and for such oils as turbine oils and transformer oils. In these oils, it inhibits the formation of gums and acidic products which are formed due to oxidation.

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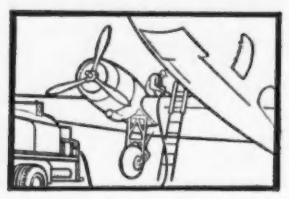

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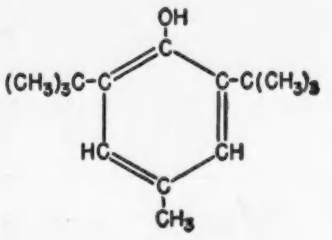

FOR FURTHER INFORMATION . . .

write for your copy of Bulletin C-9-115. It describes in detail the properties, reactions and uses of DBPC. A four-ounce sample of DBPC will be sent to recognized laboratories when requested on company letterheads.

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Chemical Division

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KOPPERS

spot advance of 12c. per pound was effected by one maker last week. As other sellers took no immediate action, market quotations on this acid ranged from 92c. to $1.04 per pound at week's end.

Acid, Sulphanilic—Prices on technical were uniformly higher throughout the trade last week. Current listings, 2c. per pound above previous levels, range from 17c. to 19c. per pound, depending upon quantity.

Acid, Tobias—The market was 4c. per pound higher on spot all around last week. The new price is 69c. per pound.

Alphanaphthol—Other makers last week went along with the 7c. advance effected recently on spot by one seller. The new quotation is 77c. per pound.

Alphanaphthylamine—An increase of 4c. per pound, effected on spot recently by one seller, was adopted generally throughout the market last week. Stabilization at the higher level puts the new price at 45c. per pound.

Aniline—The oil was upped 1c. per pound on spot by two makers during the week. Other makers failing to take immediate action, a spread prevailed in the market at press time. Tankcars of the oil, as a result, ranged from 15c. to 16c. per pound. At the same time, a 2c. spot advance was applied to the salt by one seller.

Betanaphthol—The resublimed and technical grades were each up 2c. per pound on spot last week. Current quotations call for 77c. per pound on the former and 30½c. to 32½c. per pound, depending upon quantity, on the technical.

Dimethylanilin—Following the recent move by one producer, spot schedules were up generally during the past week. Tankcars, upped 2c. per pound, were quoted at 23c.; carloads, advanced 1c., brought 24c., and less carlots, unchanged, remained at 25c. per pound.

Dinitrobenzene — Crude and purified were each up 1c. per pound on spot throughout the market last week. The former was quoted at 18c. per pound, while the latter brought 19½c. per pound.

Dinitrochlorobenzene—Advances of 2c. to 3¼c. per pound were applied on spot schedules of 46½-degree material by one maker during the period. This followed like increases earlier by another producer on this grade and the 48-degree material. However, as other sellers had not gone along with the moves by week's end, split prices prevailed on both types at Friday's close. Extent of the rises, by quantity, amounted to 2c. per pound on tankcars, 2¾c. on carlots and 3¼c. on less carloads.

G Salt—Spot listings were up 7c. per pound throughout the market last week. The new price is 66c. per pound.

Metanitroparatoluidin—Two sellers announced increases of 16c. per pound on this intermediate last week, effective immediately on spot and October 1 on contract. However, as at least one other producer stood pat at Friday's close, a split price of $1.28 to $1.44 per pound prevailed on the material on spot at week's end.

Metatolylenediamine—The 9c. advance announced earlier by one supplier became general on spot last week. Upshot of the week's price activity was a stabilization of the spot quotation at higher levels. The current listing is 94c. per pound.

Methylphenylpyrazolone — One maker last week effected an increase amounting to 10c. per pound on this intermediate. At the same time, this seller changed over to a delivered, East of Mississippi, basis, the new schedule calling for $1.51 per pound for 250-pound lots and $1.71 per pound for less than 250 pounds. Other producers took no immediate action.

Nitrobenzene—Price spreads on carload and tankcar quantities, formerly ½c. per pound, widened to a full 1c. last week as two producers effected increases on spot. The range on less carlots, formerly 1c. per pound, remained unchanged. As at least one other maker stood pat, spreads of 1c. per pound prevailed on all quantity brackets at week's end. Tankcars, for example, were named at 8c. to 9c. per pound.

Orthocresol—The 1c. advance on 24-29 degree material, announced earlier by one producer, went into effect on spot last week. Other makers standing pat, prices were otherwise unchanged.

Orthonitrotoluene—The 1c. per pound boost, initiated by one seller earlier, became general throughout the spot market last week. As a result of the week's price activity, following are current spot listings:—Carload, 9c.; less carload, 10c., and tankcars, 8c. per pound.

Paranitrotoluene—A 3c. boost on spot, announced recently by one producer, became general in last week's market. The new price is 33c. per pound.

—*Continued on page 59*

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Current Prices

—Continued from page 33

Yellow, cadmium, CP, all shades, bbls., frt. alld. E. of Rockies..lb. 2.65 - 2.80
Lithopone, all shades, bbls., frt. alld. E. of Rockies....lb. 1.02 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse l.c.l. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Apolis, Rock Island lb. .25 • —
Dlvd. Ala., Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome..lb. 1.60 - 1.70
Primrose, bbls., same basis...lb. 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
l.c.l., works....lb. .0166- .0275
French type, bgs., c.l.....lb. .04½- —
l.c.l.....lb. .04¾- —
Peruvian type, bgs., c.l..lb. .0185- .0210
synth., bgs., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .09¾- —
Mercury oxide, bbls., 1,000 lbs. lb. 1.93 • —
smaller lots.....lb. 1.95 • —
Ocher American golden, bgs., works lb. .01¼ .02¼
Zinc, bbls. same basis as chrome lb. .21 • —
Yellow dock root, bls.....lb. .16 • .20
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls.....lb. .28 • .30
Yohimbine hydrochloride vls.....oz. 3.25 • 4.00

Z

Zein, bgs., 36,000 lbs., works....lb. .30 • —
1,000 lbs. to 36,000 lbs., works lb. .32 • —
smaller lots, works.....lb. .35 • —
Zinc acetate, tech., bbls., dms....lb. .26¼- —
NF, dms.....lb. .41 • —
Borate, bgs., c.l., dlvd. E.....lb. .17½- —
l.c.l., dlvd. E.....lb. .18½- —
Carbonate, purified, powd., dms. lb. .26 • —
tech., rubber makers', bgs., works lb. .10¾- .11¼
precipitated, powd., dms.lb. .23 • —
Chloride, tech., fused, dms., c.l., works..100 lbs. 7.70 • —
l.c.l., works.....100 lbs. 8.10 • —
gran., bbls., c.l., works.100 lbs. 8.45 • —
l.c.l., works.....100 lbs. 8.85 • —
solution, 50% dms., c.l., works. 100 lbs. 4.25 • —
l.c.l., works.....100 lbs. 4.85 • —
tanks, works.....100 lbs. 3.60 • —
NF, gran., dms.....lb. .42 • —
Chromate (see Yellow, zinc)
Cyanide, kgs., works.....lb. .422 • .442
Dust, bbls., c.l., works.....lb. .1225- —
dlvd.....lb. .1250- —
l.c.l., works.....lb. .1260- .1325
Fluoride, bbls., works.....lb. .40 • —
Hydrosulphite, dms., c.l., frt. alld. lb. .17¼- —
l.c.l.....lb. .17¾- .19¾
Iodide, NF, jars.....lb. 4.85 • —
Laurate, bbls.....lb. .45 • .46
Linoleate solid, 9½% bbls.....lb. .42½- —
Metal, slabs, E. St. Louis.....lb. .15 • —
Naphthenate liquid, 8% Zn., frt. alld..lb. .20¼- —
10% Zn, dms., frt. alld.....lb. .26 • —
Oleate, fused, bbls.....lb. .36 • —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd..lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
American process, com'l, lead-free, bgs., c.l., dlvd..lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
leaded, 5%, bgs., c.l., dlvd..lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
35%, bgs., c.l., dlvd. lb. .14¼- —
l.c.l., dlvd.....lb. .15¼- —
50%, bgs., c.l., dlvd. lb. .14 • —
l.c.l., dlvd.....lb. .15 • —
French process, com'l, lead-free, bgs., c.l., dlvd. ..... lb. .17 • —
l.c.l., dlvd.....lb. .18 • —
green seal, bgs., c.l., dlvd..lb. .16½- —
l.c.l., dlvd.....lb. .17½- —
red seal, bgs., c.l., dlvd. lb. .16 • —
l.c.l., dlvd.....lb. .17 • —
white seal, bgs., c.l., dlvd..lb. .17 • —
l.c.l., dlvd.....lb. .18 • —
USP, ctns., c.l., dlvd.....lb. .17¼- —
l.c.l., dlvd.....lb. .18¼- —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphate, dms. .....lb. .36 • —
Resinate, fused, 1% Zn, dms., frt. alld..lb. .20 • —
precip., dms., frt. alld.....lb. .22½- —
Silicofluoride, bbls., works....lb. .10, • .10¼
Stearate, tech., USP, ctns., c.l..lb. .34 • —
ton lots.....lb. .35 • —
less ton lots.....lb. .36 • —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld..... 100 lbs. 6.15 • —
l.c.l., same basis..100 lbs. 6.55 • —
flake, 25½% Zn, bgs., c.l., works, dlvd..100 lbs. 4.80 - 5.35
l.c.l., works.....100 lbs. 5.75 - 8.25
powdered, 36% Zn., bgs., c.l., dlvd., same basis..100 lbs. 8.25 • —
l.c.l., same basis....100 lbs. 9.00 • —
Zinc sulphate in bbls. 40c. higher
USP, gran., dms.....lb. .23 • .23¼
Sulphide, pure, bgs., c.l., dlvd. lb. .20 • —
l.c.l., dlvd.....lb. .21 • —
Barium pigment, bgs., c.l., dlvd..lb. No prices.
l.c.l., dlvd.....lb. No prices.
Calcium, pigment, bgs., c.l., dlvd..lb. No prices.
l.c.l., dlvd.....lb. No prices.
Luminescent pigment, dlvd lb. No prices.
Magnesium pigment, bgs., c.l., dlvd..lb. No prices.
l.c.l., dlvd.....lb. No prices.
Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Thionosulphonate, NF, gran., bbls., dms..lb. .33 • .34
powd., bbls.....lb. .36 • .37
Undecylenate, dms.....lb. 1.90 • 2.00
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works..100 lbs. 7.35 • —
l.c.l., works.....100 lbs. 7.75 -10.25
Zinc-cadmium sulphide, fluorescent, ctns., frt. alld..lb. 2.00 • 2.80
Zinc-calcium resinate, dms., c.l., works..lb. .1180- .1360
l.c.l., same basis.....lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works..lb. .21½- —
normal, dms., works.....lb. .43 • —
Zircon (see Zirconium silicate)
Zirconium acetate, 13% sol. ZrO_2, bbls., works lb. .21¼- —
Carbonate, basic, cake, bbls., works lb. .30¼- —
Hydride, ctns., works.....lb. 7.00 • 8.00
Nitrate, dms., works.....lb. 1.75 • —
Oxide, 98½-99% white, grd., bbls. or bags, works lb. 1.50 • —
lump, electric-fused, bgs., c.l., works..lb. .44 • —
5 tons, works.....lb. .44½- —
1 ton or less, works...lb. .45 • .48
milled, electric-fused, bgs., c.l., works..lb. .59 • —
5 tons, works.....lb. .59½- —
1 ton or less, works....lb. .60 • .63
Oxychloride, cryst., ctns., 5 tons, works lb. .29½- —
Silicate, granular, bgs., c.l., works. lb. .03¼- .03¾
10 tons, works.....lb. .03½- .04
5 tons, works.....lb. .04 • —
1 ton or less, works.....bl. .04¼- .04¾
milled, bgs., c.l., works.....lb. .04¾- —
5 tons, works.....lb. .05¼- —
1 ton or less works.....lb. .05¾- .06¾
refined, bgs., c.l., works.....lb. .11 • —
works..lb. .11 • —
5 tons, works.....lb. .11½- —
1 ton or less, works.....lb. .12 • .16
Sulphate, cryst., ctns., c.l., works. lb. .37½- —
5 tons, works.....lb. .38 • —
1 ton or less, works...lb. .38½- .50

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Koppers Promotes Three In Central Research Dept.

Appointment of Raymond H. Hartigan as manager of the laboratory section of the central research department of Koppers Company, Pittsburgh, was announced August 3 by Dr. Frank D'Alelio, vice-president and manager of the research department. Dr. D'Alelio also announced the appointments of Gordon Black as assistant manager of the development section, and Peter W. Sherwood as manager of the engineering branch of the development section of the research department.

A native of Rensselaer, N. Y., Dr. Hartigan received his bachelor's, master's, and doctor's degrees in chemistry, from Rensselaer Polytechnic Institute. From 1941 to 1947 he held a fellowship at the Mellon Institute of Industrial Research, and from 1947 to 1950 he was a senior fellow at the same institute. He joined Koppers in January, 1950.

Mr. Black was awarded a bachelor of science degree in chemical engineering by the University of Pittsburgh. He was a research chemist at Mellon institute from 1941 to 1948, when he joined Koppers' research department. Mr. Sherwood received his bachelor's and master's degrees in chemical engineering from Columbia University, and joined Koppers' research department in 1943.

Obituaries

—*Continued from page 5*

chief of drug controls to become a private industry consultant on food and drug act problems.

Heermance M. Howard

Heermance M. Howard, who retired in 1945 as vice-president and treasurer of Thibaut & Walker Company, varnish and paint manufacturer, Long Island City, N. Y., died in Upper Montclair, N. J., July 28. He was sixty-four years old. Howard was on a visit from his home in Winter Park, Fla.

A graduate of Williams College, Mr. Howard was with the Sherwin-Williams Company from 1908 until 1909, and was vice-president and treasurer of Howe Varnish Company from 1909 until 1920 when he joined Thibaut & Walker. He was chairman of the constitution and bylaws committee of the National Paint, Varnish and Lacquer Association in 1934-35.

Edwin S. Cavett, who represented Mutual Chemical Company of America for the past thirteen years in New England and New York, died July 26. He was fifty-one years old. Prior to joining Mutual, Mr. Cavett had served as a leather chemist with the American Oak Leather Company and A. C. Lawrence Leather Company.

William E. Davis, jr., assistant comptroller of the Standard Oil Company of New Jersey, died in Meadowbrook, L. I., July 30. He was fifty-two years old. Mr. Davis was associated with the company for twenty-nine years.

Leo Greenbaum, president of the Lion Match Company, New York, died in Lenox Hill hospital, August 2. He was seventy-four years old.

John M. Kastner, a member of the maintenance staff of the plant of Hoffmann-La Roche, Inc., drug manufacturer, Nutley, N. J., died July 30, in a Newark hospital. He was sixty years old.

Frank Keeler, who for more than twenty years had been assistant manager in the New York branch of Devoe & Raynolds Company, died at his home in Baldwin, L. I., July 25. He was sixty-four years old. Mr. Keeler had been associated with Devoe for forty-three years.

Frank D. Kessler, for thirty-five years a technical consultant and process superintendent at the Linden, N. J., plant of the Cities Service Oil Company, died at his home in Millington, N. J., July 30. He was seventy years old. Mr. Kessler had been associated with the petroleum industry for forty years.

William H. McDowell, who was promoted August 2 from chief engineer to chief controlling engineer at the Niagara Falls, N. Y., plant of the Electro Metallurgical Division of Union Carbide & Carbon Corporation, New York, died in Niagara Falls August 3. He had been chief engineer since 1948.

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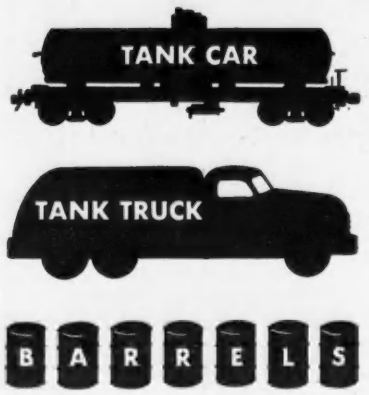

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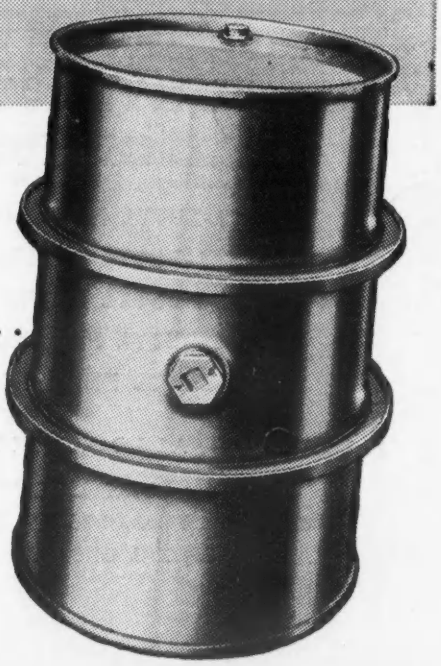

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Drugs and Fine Chemicals

A flurry of price activity, mostly on the up side, advanced the index for drugs and fine chemicals last week 1.7 points to a new reading of 257.9. Increases were noted for acetaldehyde, aspirin, salicylic acid and its salts, bromine and salts, USP castor oil, cocoa butter, codliver oil, ethyl lactate, natural menthol, methylisobutyl carbinol, methylisobutyl ketone, USP phenol and phenolphthalein. Crude milk sugar, nitroparaffins and triethylenetetramine, however, were all lower.

Acetaldehyde moved up one-half cent per pound. Aspirin and salicylic acid each received 2-cent boosts and magnesium, potassium and sodium salicylates rose accordingly. A 2-cent increase in bromine was accompanied by simultaneous advances ranging from one cent to 10 cents per pound on the various bromide salts. Theobromine alkaloid was 75 cents higher, while its various salts scored gains of 40 cents per pound each.

Methylisobutyl carbinol and methylisobutyl ketone were both higher on spot throughout the trade, other sellers going along with one-cent advances on these materials effected recently by one maker. One supplier of methylethyl ketone also raised that solvent one cent per pound on spot, but, as at least one other seller was still standing pat at press time, a split price prevailed at week's end.

USP castor oil was up another three-quarter cent. Codliver oil commanded 5 cents per pound more. Natural menthol rose 35 cents. USP phenol moved up 2 cents per pound on spot, and phenolphthalein, as a result, was quoted uniformly 10 cents above previous levels. Ethyl lactate was advanced 1¼ cents per pound. Cocoa butter scored a net gain of 1½ cents.

Crude milk sugar was similarly lower, dropping one-half cent per pound. Nitroparaffins were reduced, nitroethane, nitromethane and 2-nitropropane each receiving cuts of 5 cents per pound and 1-nitropropane downed 6¾c. per pound. The move was accompanied by a shift from an f.o.b. works quotation to a delivered, East of Rockies, basis. Triethylenetetramine was 10 cents per pound lower for all quantities.

Two makers of technical acetanilide announced rises of 2½ cents per pound, effective immediately on spot and October 1 on contract. USP acetanilide was unaffected. One seller of secondary butyl alcohol, following a similar move made earlier by another producer, upped that material one cent per pound on spot. Since at least one other supplier of the material was still maintaining previous quotations at Friday's close, a spread existed in the market at week's end. Monoethanolamine was advanced one cent to 1¼ cents per pound by one maker.

Market Trends

Prices Advanced

Acetaldehyde, 99%, ½c. per lb.
Acid, acetylsalicylic, 2c. per lb.
Salicylic, 2c. per lb.
Ammonium bromide, 2c. per lb.
Bromine, 2c. per lb.
Bromoform, 10c. per lb.
Calcium bromide, 5c. per lb.
Castor oil, USP, ¾c. per lb.
Cocoa butter, 1½c. per lb.
Codliver oil, 5c. per lb.
Ethyl lactate, 1¼c. per lb.
Lithium bromide, 10c. per lb.
Magnesium salicylate, 75c. per lb.
Menthol, natural, 35c. per lb.
Methylisobutyl carbinol, 1c. per lb.
Ketone, 1c. per lb.
Phenol, USP, 2c. per lb.
Phenolphthalein, 10c. per lb.
Potassium bromide, 1c. per lb.
Sodium bromide, 1c. per lb.
Salicylate, 2c. per lb.
Strontium bromide, 10c. per lb.
Theobromine alkaloid, 75c. per lb.
Salicylate, 40c. per lb.
Salicylate with sodium acetate, 40c. per lb.
Sodio-Salicylate, 40c. per lb.

Prices Reduced

Milk sugar, crude, ½c. per lb.
Nitroethane, 5c. per lb.
Nitromethane, 5c. per lb.
Nitropropane, 1, 6¾c. per lb.
2, 5c. per lb.
Triethylenetetramine, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 5, 1949
257.9	256.2	253.5	254.4	260.2

(For Current Prices see Page 9)

Acetaldehyde — Prices were advanced ½c. per pound on the 99 percent material last week. The new schedule is as follows:—Carload, 12c.; l.c.l., 12¾c., and tanks, 10c. per pound.

Acetanilide—The price of technical was advanced 2½c. per pound by two makers last week, effective immediately on spot and October 1 on contract. Prices on USP material stood fast. Since other producers of technical held to previous schedules, a split price on that material prevailed in the market at week's end. Carloads ranged from 22c. to 24¼c. per pound, and there were similar spreads on other quantities.

Acetone—Production during May, as reported by the United States Tariff Commission, totaled 36,823,475 pounds, which compares with April's revised output of 36,704,522 pounds.

Acid, Acetylsalicylic—Prices were advanced 2c. per pound during the past week, making standard 52c. per pound and the special, 57c. The movement reflected rising cost of production.

Acid, Salicylic—Prices moved up 2c. across the board last week, reflecting increased production costs.

Alcohol—With the pressure of demand increasing in intensity, producers last week continued to exert a restraining hand on outgoing material. In general, the rule appeared to be to limit customers on current orders to quantities equivalent to previous purchases. Occasional buyers were hard put to locate product. Meanwhile, available stocks remained narrow.

As for prices, there was no further action following the recent move of one seller in advancing CDA, some SDA's, proprietary alcohol and pure 6c. per gallon. Indications were that there would be nothing further forthcoming immediately with regard to current schedules.

The Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, on August 1 released data on the supply, production, withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of June, 1950, in comparison with June, 1949:—

Production

	Proof gallons 1950	Proof gallons 1949
Ethyl	31,107,994	31,796,352
*Completely denatured	81,966	75,669
*Specially denatured	19,064,392	16,499,626

Withdrawals

	Wine gallons 1950	Wine gallons 1949
†Ethyl, tax paid	4,187,696	3,039,766
tax free	34,890,947	30,860,063
*Completely denatured	75,423	77,627
*Specially denatured	18,311,194	14,352,339

Stocks

	Gallons 1950	Gallons 1949
†Ethyl	23,228,709	51,015,381
*Completely denatured	85,962	105,362
*Specially denatured	2,144,388	8,640,566

* Wine gallons, † Proof gallons.

According to the Alcohol Tax Unit, materials used in industrial alcohol plants in the Junes of 1950 and 1949 were as follows:—

	Pounds 1950	Pounds 1949
Corn and corn products	184,644	6,348,571
Rye and rye products	.....	.....
Malt and malt products	.....	500,659
Wheat and wheat products	.....	82,804
Sorghum grain & sorghum grain products	.....	.....
Total grain	184,644	6,932,034
Potatoes & potato products	.....	.....
Ethylene gas	5,007,282	4,581,664
Other materials	283,300	232,120

	Wine gallons 1950	Wine gallons 1949
Molasses	14,629,391	16,762,786
Ethyl sulphate	12,425,416	11,454,598
Sulphite liquors	21,332,700	11,222,100
Other materials	2,486,483	1,818,841
*Products used in distillation	1,040,513	1,878,546

* Proof gallon.

Aloin—Prices held firm and in the prevailing higher cost of raw material was to be found an added strengthening of the current quotations. Demand showed little change, being steady at all times and involving normal quantities of material.

Amyl Acetate—The United States Tariff Commission reported May production of normal amyl and isoamyl acetates at 285,900 pounds and 8,513,581 pounds, respectively. During April producers turned out 7,272,284 pounds of isoamyl acetate. Meanwhile, synthetic acetate continued to move in heavy volume. Fermentation material, while in a snug supply position, was regarded to be in somewhat better availability than a month ago.

Bromides—Bromine advanced 2c. per pound during the week, making the new carload price for purified 23c. per pound. Simultaneously, bromide salts received boosts all along the line. Sodium and potassium bromide were each raised 1c. per pound. Ammonium and lithium salts were upped 2c. and 10c. per pound, respectively, while strontium and calcium

For Late Market Developments, See Page 4

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bromides received boosts of 5c. per pound apiece.

Bromoform—Along with the rises in bromine and its salts, this material was also up during the week, quotations advancing 10c. per pound.

Butyl Alcohol—One producer of secondary, following an earlier move by another maker, announced increases of 1c. per pound, effective immediately on spot and October 1 on contract. However, since at least one other seller stood pat, split prices prevailed in the market at week's end. Tankcars ranged from 9c. to 10c. per pound, and similar spreads applied to other quantities. There was no further action on fermentation material following the recent 1c. advance of one supplier. Tankcars were quoted at 12c. to 13c. per pound. The United States Tariff Commission reported May production of primary normal butyl alcohol at 14,149,722 pounds, which compares with April's revised output of 11,683,570 pounds.

Castor Oil—Quotations on beans held firm at $115 per long ton for nearby shipment and $110 per ton for October. USP oil, meanwhile, staged another gain during the period, rising an additional ¾c. per pound.

Imports of beans last week amounted to 34,091 bags, equivalent to 5,113,650 pounds, compared with 5,230 bags, or 784,500 pounds, during the previous week and 6,754 bags, or 1,013,100 pounds, during the corresponding period of 1949.

Total imports of beans since January 1 this year aggregated 859,546 bags, equivalent to 128,931,900 pounds, compared with 1,015,108 bags, or 152,266,200 pounds, during the corresponding period in 1949.

Cocoa Butter—Prices fell off at the opening only to score heavy gains at the close of the week, as bean quotations staged a late spurt. Upshot of the week's price activity was a net rise of 1½c. per pound in cocoa butter. Dealers, who asked as low as 77c. earlier in the week, quoted 83c. to 84c. per pound at Friday's close. Most factors in the market reported tight supplies. However, a major producer, who previously had reported a complete sell-out of this year's stocks, stated that that concern was now in a position to take on any and all business.

Codliver Oil—The spot market was $1.45 to $1.55 per gallon, a 5c. rise that

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was in line with the sharp rise in demand for spot supplies. As a result of buyers' takings, stocks on this market shrank substantially and reached a point that might be described as "low." Against this inventory situation was the fact that more oil is coming from foreign parts; plenty of oil remains in Norway and the official, government-established export price remains unchanged. Some is still available in Iceland; England has considerable; and Newfoundland is still a supplier.

The buying this year started earlier than usual—the last of August is the usual time—and was probably a part of the "panic" purchasing of raw materials generally following the start of war in Korea and, also, because of the fear that the war might be extended to other areas—even Europe. But so far as importers could see last week, there is no reason to buy excessively. The tendency of values was still upward, a tendency that strained not too hard toward the higher end of the price range. Any change in the Norwegian export price would probably be upward but moderate in degree .

Copper Sulphate—CP material, used primarily in urine analysis, was in extremely short supply. In fact, there were reports in the trade that the government, in the market for the material for the military establishment, had been unsuccessful in locating stocks.

Ethyleneglycol—Business was reported to be extremely heavy during the period. Stocks were tight. Since this is the regular canning season for antifreeze, sales volume is normally high at this time of year. However, with buyers stocking up because of the Korean crisis, sellers pointed out that current demand far exceeds normal seasonal levels.

Ethylene Oxide—Call for this material was similarly strong during the period. Reports were current, but unconfirmed, in the trade that at least one producer would effect an advance of 1c. per pound for contracts on October 1.

Ethyl Lactate—Producers last week effected an advance of 1¼c. per pound, making the new drum price 42¼c. per pound.

Formaldehyde—Stocks were reported to be tightening up. Demand was described as heavy. There were no price changes during the week.

Magnesium Salicylate — Reflecting the increase in raw materials costs, this material gained 75c. per pound during the past week.

Menthol—Price trend once again reversed itself and late last week the spot price for Chinese material was $12.60 to $12.70 per pound. Not a great deal of unsold stocks was in hand. Also, not a great deal of demand existed for spot deliveries. A fair sized and possibly growing interest in Fall deliveries was noted. The Far Eastern situation was in a state of flux, conditions varying almost from day to day and information also varying and being suspect because of the uncertainties that hardly anyone, even the closest and best informed, can resolve. Meanwhile, with natural menthol around $12.60—an occasional "sleeper" might part with a trifle around $12.55—the opportunity for marketing synthetic menthol appeared to be increasing.

Methylethyl Ketone—One maker, following behind a like move effected earlier by another producer, last week announced 1c. increases, effective immediately on spot and October 1 on contract. Since at least one other seller stood pat, split prices prevailed on all quantities at press time, as follows:—Carload, 10¾c. to 11¾c.; less carload, 11½c. to 12½c., and tankcars, 9c. to 10c. per pound.

Methylisobutyl Carbinol—The market was uniformly 1c. per pound higher on spot last week, as other sellers went along with the recent advance by one maker. Current quotations call for 14¼c., carload, 15c., less carload and 12½c. per pound, tankcar. The higher listings do not, of course, apply on contract until October 1.

Methylisobutyl Ketone — This solvent commanded 1c. per pound more on spot throughout the trade last week, as other sellers brought their schedules into line with advances announced earlier by one maker. Following, therefore, are current spot quotations:—Carload, 13¾c.; less carload 14½c., and tankcar, 12c. per pound. The advances do not take effect on contract, however, until October 1.

Methyl Salicylate—A 3c. per pound advance in some quarters produced a range of 42c. to 45c. per pound in drums of 500 pounds each, and 47c. to 53c. in cans ranging 25 and 50 pounds.

Milk Powder—Government purchases of skimmed milk powder during the week ended July 27 totaled 9,196,388 pounds of spray process and 2,590,831 pounds of roller process. Government purchases of nonfat dry milk solids thus far this year amount to a total of 300,046,357 pounds, compared with the 271,025,023 pounds bought during the corresponding period in 1949.

Production of total dry milk solids for June, at 118,750,000 pounds, showed a seasonal gain from the previous month for the first time since 1947 and reached a record high for June, according to the Bureau of Agricultural Economics. Cumulative production for the first half of 1950 totaled 544,350,000 pounds, a gain of 3 percent from the first half of 1949.

Milk Sugar—The price of crude dropped ½c. per pound in last week's market. Carload quantities were quoted at 16c. per pound. Edible and USP materials, however, remained firm in price, schedules ranging for quantity from 22c. to 23¼c. per pound and from 26c. to 27¼c. per pound, respectively.

Monoethanolamine — One seller last week announced increases of 1c. to 1¼c. per pound on this material, effective immediately on spot and October 1 on contract. Tankcars were raised 1c., while carloads and less carlots each received boosts of 1¼c. per pound. Other sellers did not take immediate action, and at week's end split prices prevailed on all quantities. Tankcars, for example, ranged from 25½c. to 26½c. per pound.

Nitroparaffins—Prices were lowered 5c. to 6¾c. on these materials last week.

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Norda Gets Second Place Award in Ad Competition

Norda Essential Oil Chemical Company, New York, was formally presented with the second place award in the competition of the National Industrial Advertisers Association at a luncheon meeting held at the New York Advertising Club, July 31.

First place in the competition was won by Lederle Laboratories division of the American Cyanamid Company, New York, and has already been presented.

Norda was cited for its outstanding copy, art and use of color, continuity and selling force. W. H. Rowse, vice-president of the company, received the award from Baline Wiley, executive secretary of the association. Present at the ceremony was Fred Gardner, president of the Fred Gardner Company, agency that handles Norda's advertising.

Downed 5c. per pound were nitroethane, nitromethane and 2-nitropropane. A reduction of 6¾c. was applied to schedules on 1-nitropropane. At the same time, the pricing system was shifted from f.o.b. works to a delivered, East of Rockies, basis.

Phenol—The price of USP material was 2c. higher throughout the spot market last week. Current quotations, which do not take effect on contract until October 1, range from 15½c. to 18c. per pound, depending upon quantity.

Phenolphthalein—The market was generally higher during the period, as other producers followed along behind the recent 10c. advance effected by one maker. Current quotations on USP or yellow call for $1.10 per pound in 2,000 pound quantities and $1.12 to $1.17 per pound for smaller lots.

Sodium Salicylate—The rising cost of production was reflected in this salicylate when its quotations were upped 2c. per pound by all producers and a market established at 61c. to 63c. per pound.

Strontium Salicylate—Along with aspirin, the acid and other salts, this material was up 40c. per pound during the week.

Theobromine—Because of much higher manufacturing costs, producers have been forced to advance alkaloid 75c. per pound and the other salts, 40c. New quotations were as follows:—Alkaloid, $5.25 to $5.32 per pound; salicylate, $4.40 to $4.45; salicylate with sodium acetate, $4.05 to $4.10, and sodio-salicylate, $3.30 to $3.35.

Triethylenetetratramine — Reductions of 10c. per pound were announced last week. Current quotations on the material, which is used in the synthesis of ion exchange resins, asphalt additives and various textile auxiliary chemicals, are as follows:—Carload, 41½c.; less carlot, 42c., and tankcar, 40c. per pound.

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Bids Wanted

Borax soap, 600 packages, Federal Supply Service (Dallas 1, Texas) reference FW-10329, August 11.

Chemical specialties, various, Navy Aviation Supply Office (Philadelphia, Pa.) invitation J-51.141, August 18.

Chlorine, 17,000 pounds, U. S. Air Force (Chanute Field, Ill.) invitation 8, August 9.

Creosote paint, 50 gallons, Public Buildings Service (Chicago, Ill.) reference 4-ADM-19, August 10.

Dynamite, sodium nitrate, 14,400 pounds, Panama Canal Purchasing Department (Washington 25, D. C.) schedule 9676, August 10.

Embalming fluid, 18,720 bottles, Army Quartermaster Corps (New York 3, N. Y.) invitation 66, August 28.

Linseed oil, 420 gallons, Federal Supply Office (New York 13, N. Y.) invitation NY-W-23435, August 10; 300 gallons, Federal Supply Office (Dallas 1, Texas) invitation FW-10273, August 10.

Lubricants, District of Columbia, Purchasing Division (Washington 1, D. C.) schedule 14503, August 11.

Methyl acetylene, 200 pounds, Navy Purchasing Office (Washington 25, D. C.) invitation 3645-A, August 18.

Oleomargarine, Type II, 261,033 pounds, various deliveries, Veterans Administration (Washington 25, D. C.) invitation S-35, August 9.

Paint, enamel, 15 gallons, Army Air Force (Tucson, Ariz.) invitation 7, August 25; 10,000 gallons, Navy Aviation Supply Office (Philadelphia, Pa.) invitation B-51,028, August 14; 30,000 gallons, invitation B-51.167, August 29; 1,600 gallons, Army Signal Corps (New Cumberland, Pa.) invitation 11, August 11; 96 gallons, Federal Supply Service (Chicago, Ill.) reference 23932, August 16; 400 gallons, reference 23933, August 16.

various, 1,232 gallons, Army Air Force (Tucson, Ariz.) invitation 7, August 25; 1,600 gallons, Army Signal Corp (New Cumberland, Pa.) invitation 11, August 11, 358 gallons, Federal Supply Service, (Dallas 1, Texas) invitation FW-10273, August 10; 2,200 gallons, Federal Supply Service (Chicago, Ill.) reference 23939, August 16; 900 gallons, reference 23996, August 16; 300 gallons, reference 23937, August 16.

Paint remover, 660 gallons, Federal Supply Service (Washington 25, D. C.) invitation 5G-91333-T, August 11.

Paint thinner, 1,200 gallons, Army Air Force (Tucson, Ariz.) invitation 7, August 25; 350 gallons, Federal Supply Service (Dallas 1, Texas) invitation FW-10273, August 10.

Petrolatum, carbolated, 200 pounds, Federal Supply Service (Washington 25, D. C.) reference 91403-3, August 7.

Photographic chemicals, 37,696 packages, Armed Services Medical Procurement Service (Brooklyn 1, N. Y.) invitation 50, August 14.

Photographic hydroquinone, 6,625 pounds, Federal Supply Service (Washington 25, D. C.) reference 91402-3, August 24; 120 pounds, reference 91422-3, August 9.

Phthalocyanine blue, 100 pounds, Government Printing Office (Washington 25, D. C.) August 9.

Potassium perchlorate, 15,000 pounds, Army Ordnance Department (Dover, N. J.) invitation 45, August 14.

Quenching oil, soluble, 2,530 gallons, Naval Air Material Center (Philadelphia 12, Pa.) invitation 9500-30052-51, August 15.

Red iron oxide, 400 pounds; in oil, 1,452 cans, Public Buildings Service (Washington, D. C.) reference 63, August 14.

Red lead, 210,000 pounds, Navy Aviation Supply Office (Philadelphia, Pa.) invitation B-51,027, August 11.

RP compound, 19,250 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 37, August 15; 22,000 gallons, invitation 38, August 15; 90,000 pounds, invitation 39, August 15; 160,000 pounds, invitation 40, August 15.

Soda, caustic, 4 drums, sal, 4,760 pounds, Federal Supply Service (Dallas 1, Texas) reference FW-10289, August 11.

Sodium oxalate, 6,500 pounds, Army Ordnance Department (Dover, N. J.) invitation 31, August 11.

Sodium thiosulphate, 45,000 pounds, U. S. Air Force (Dayton, Ohio) invitation 096-26, August 11.

Turpentine, 385 gallons, Federal Supply Service (Dallas 1, Texas) invitation FW-10273, August 10.

Varnish, enamel, 2,172 gallons, Federal Supply Service (New York 13, N. Y.) reference NY-285, August 10; 2,172 gallons, reference NY-291, August 10; 1,271 gallons, reference NY-292, August 10; 2,172 gallons, reference NY-293, August 10.

Wood preservative, 1,350 gallons, Navy Aviation Supply Office (Philadelphia, Pa.) invitation B-51,-139, September 5.

Zirconium, powdered, 250 pounds, Army Ordnance Department (Dover, N. J.) invitation 42, August 14.

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1. McCullagh, E. P., and Sirridge, W. T.: J. Clin. Endocrinol. 8: 1051 (1948).

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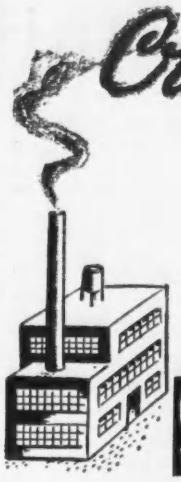

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4 dms, Thomas Hodges, Bremen
13 dms, Geigy Co, Rotterdam
6 pkg, Intra Mar Shipping Corp, Antwerp
26 dms, Lansen Naeve, Rotterdam
14 cyl, Sandoz Chemical Works, Genoa
32 cyl, Sandoz Chemical Works, Havre
ANIMAL GALL CONCENTRATE—5 cks, Wilson & Co, Wellington
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2 cks, Wilson & Co, Dunedin
ANTIMONY—10 cks, Watson Geach, Liverpool
REGULUS—790 cs, Philipp Bros, Rijeka
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50 cs, Charles Gitlan, Antwerp
ARECA NUTS—67 bgs, R J Prentiss, Colombo
ASBESTOS FIBER—1,280 bgs, Johns Manville Co, Beira
4,880 bgs, Beira
2,000 bgs, Johns Manville, Lourenco Marques
3,000 bgs, Johns Manville, Capetown
7,600 bgs, Union Asbestos & Rubber Co, Lourenco Marques
ASPHALT, MINERAL GILSONITE—720 bgs, J J Garin, Havana
PETROLEUM—68,106 bbls, Shell Oil Co, Curacao
AZEOTROPE, ISOPROPANOL—1 cs, M W Kellogg, Liverpool
BALSAM OIL—4 dms, C E Griffin, Cristobal
BAYBERRY WAX—28 bgs, E Gumpert, Capetown
BEESWAX—140 bgs, J P Eberhart, Rotterdam
30 bgs, K Shewakram & Sons, Freetown
100 bgs, Balex Co, Rio de Janeiro
39 bgs, Machado & Co, Ciudad, Trujillo
24 bgs, Will & Baumer Candle Co, Santiago
17 bgs, E Vadillo Ruiz, Santiago
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396 blocks, Luanda
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200 bgs, Mercantile Metal & Ore, Rio de Janeiro
49 bgs, Strahl & Pitsch, Puerto Barrios
25 bls, Geck Trading Co, Ciudad, Trujillo
BENZOIN GUM—5 cs, Fritsche Bros, Bangkok
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BERYLLIUM ORE—1,056 bgs, Mozambique
330 bgs, Watson Geach, Beira
604 bgs, Beira
1,000 bgs, Beryllium Corp, Rio de Janeiro
BETAHYDROXYNAPHTHOIC ACID—200 dms, Antwerp
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187 bgs, Armour & Co, Buenos Aires
MEAL—2,099 bgs, Tupman Thurlow, Buenos Aires
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CAMPHOR—50 cs, United China International, Keelung
50 cs, Max Van Pels, Keelung
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200 bgs, Louis Furth, Rotterdam
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1,500 bgs, Crawford Co, Buenos Aires
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CINCHONA PRODUCTS—31 cs, Guaranty Trust Co, Rotterdam
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11 dms, Chase National Bank, Alexandria
50 dms, Givaudan Corp, Puerto Barrios
100 dms, Lo Curto & Funk, Puerto Barrios
12 dms, Lo Curto & Funk, Hong Kong
26 dms, Norda Essential Oils, Keelung
13 dms, Lo Curto & Funk, Keelung
COALTAR PITCH—63 kgs, C A Redden, Liverpool
COCOA BUTTER—3,334 bls, General Cocoa Co, Bahia
RESIDUE — 400 bgs, Monsanto Chemical Co, Dunedin
COCONUT OIL—530 tons, Cebu
220 tons, Manila
324 tons, Philippine Refining Corp, Manila
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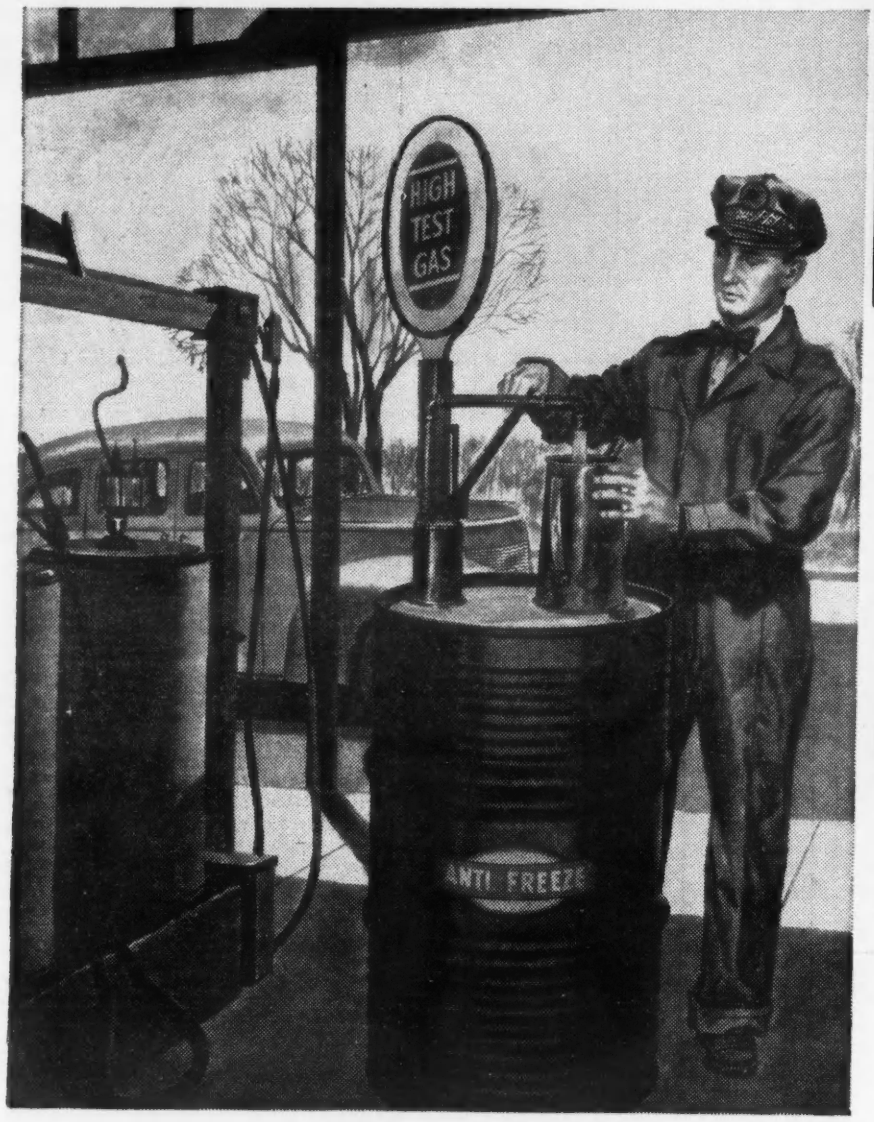
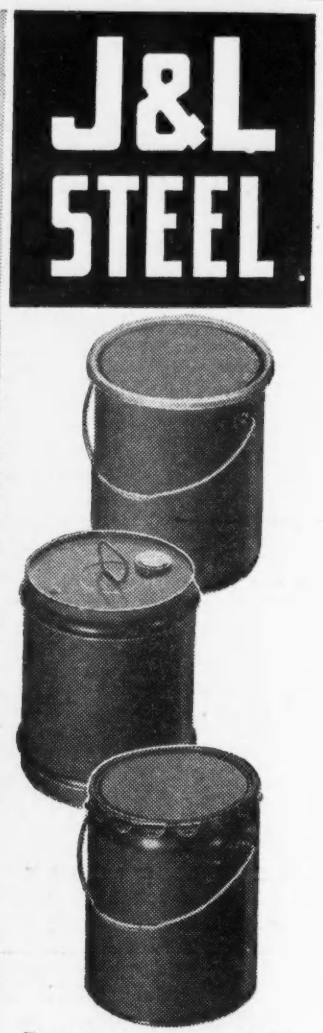
1,500 bgs, U S Industrial Chemicals, Matadi
600 bgs, Gillespie-Rogers-Pyatt, Matadi
300 bgs, S Winterbourne, Matadi
268 bgs, W H Scheel, Manila
128 bgs, O G Innes, Manila
COPPER SULPHATE—150 bgs, Concentra Shipping Co, Antwerp
COPRA—500 tons, El Dorado Oil Works, Catanavan
1,000 tons, El Dorado Oil Works, Iloilo
CORIANDER SEED—750 bgs, Transatlantic Commodities Corp, Casablanca
COTTON LINTERS—166 bls, New England Waste Co, Buenos Aires
CREAM OF TARTAR—200 bbls, T M Duche & Sons, Genoa
CRESYLIC ACID—119 dms, Philipp Bros, Liverpool
229 dms, Liverpool
100 dms, Washine National Sands, Manchester
75 dms, Rotterdam
DAMMAR GUM—192 bgs, W H Scheel, Malacca
140 bgs, Gillespie-Rogers-Pyatt, Malacca
60 cs, O G Innes Corp, Bangkok
50 cs, O G Innes, Djakarta
DERRIS ROOT—73 bls, Bunge Corp, Matadi
DEXTRIN—115 bgs, Bank of Manhattan, Rotterdam
DINITROBENZOYL CHLORIDE—1 cs, Liverpool
DYESTUFFS—100 dms, Sandoz Chemical Works, Antwerp
EARTH COLORS — 454 bgs, Reichard Coulston, Larnaca
ELEMI GUM—12 dms, O G Innes, Manila
ESSENTIAL OILS—4 cks, Roure Dupont, Marseilles
2 cs, Bertrand Freres, Marseilles
6 cks, Bertrand Freres, Marseilles
14 cks, Tombarel Products, Marseilles
2 dms, Hong Kong
1 dm, George Uhe, Hamburg
1 cs, Roure-Dupont, Havre
1 dm, Lo Curto & Funk Co, Rotterdam
13 dms, Vera Cruz
2 cs, W Warner, Havre
EUCALYPTUS OIL—5 dms, W J Bush, Lisbon
6 dms, Lo Curto & Funk, Keelung
FERRO TUNGSTEN—131 cs, F H Lenway, Yokohama
168 dms, David Taylor, Manchester
FISHLIVER OIL—2 dms, National City Bank, Yokohama
45 dms, Kane Import Corp, Keelung
FUEL OIL—259,000 bbls, Esso Export Corp, Aruba
104,098 bbls, Esso Standard Oil, Carpito
104,914 bbls, Hess, Inc, Aruba
110,931 bbls, Hess, Inc, Punta Cardon
1,060 bbls, Shell Oil Co, Curacao
108,934 bbls, Royal Petroleum, Trinidad
85,900 bbls, Asiatic Petroleum, Curacao
10,000 bbls, Asiatic Petroleum Corp, Curacao
GALLNUTS—336 bgs, Arnhold & Co, Hong Kong
GAMBOGE GUM—5 cs, Bangkok
GELATIN — 2 bbls, Coignet Chemical Co, Antwerp
GINGER—262 bgs, W M Allison, Lagos
GLUE—400 bgs, Transatlantic Animal By-Products, Antwerp
STOCK—76 bls, National City Bank, Buenos Aires
5 bgs, Lundt Co, Tampico
GRAPHITE—74 dms, Subox, Inc, Antwerp
1,200 bgs, Asbury Graphite Mills, London
GRAINS OF PARADISE—32 bgs, E J Lang, Lagos
GYPSUM, CRUDE—30,905 tons, U S Gypsum Co, Hantsport
9,344 tons, National Gypsum Co, Little Narrows
2,615 tons, Newark Plaster Co, Walton
HAKELIVER OIL—26 ctns, Strong Cobb & Co, Capetown
HO OIL—12 dms, Lo Curto & Funk, Hong Kong
HOOF MEAL—636 bgs, International Packers Commercial, Montevideo
IRISHMOSS—20 bgs, Stein Hall, Havre
100 bls, S B Penick, Havre
10 cks, T M Duche, Copenhagen
IRON OXIDE—224 bgs, Whittaker Clark & Daniels, Manchester
JALAP ROOT—8 bgs, Vera Cruz
KAURI GUM—208 bgs, U S Industrial Chemical, Auckland
94 bgs, S Winterbourne, Auckland
LANOLIN—13 dms, N I Malmstrom, Liverpool
LEAD, VIRGIN—61,914 ingots, Philipp Bros, Rijeka





Representative samples of J&L's complete line of steel shipping pails showing (top to bottom) the ring seal, closed head and lug covers.

FOR DEPENDABILITY

USE J&L STEEL DRUMS AND PAILS

You can keep down the costs of loss-in-transit claims by shipping in J&L Drums and Pails. They are built to take your products to your customers safely and to protect them in storage.

All types of closures, finishes and decorations

Heavy-duty ICC Drums | Light-gage Drums, 55, 30, and 15 gal. capacity and 100-lb. Grease Drums | Lightweight Drums for Chemical and Powdered Materials | Steel Pails for Foods, Chemicals, Oils—1-10 gal. capacities

J&L STEEL BARREL COMPANY

A SUBSIDIARY OF JONES & LAUGHLIN STEEL CORPORATION

CHRYSLER BUILDING, NEW YORK, N. Y.

PLANTS:

BAYONNE, N. J. • CLEVELAND, OHIO • PHILADELPHIA, PA. NEW ORLEANS (GRETNA), LA.
NORTH KANSAS CITY, MO. • PORT ARTHUR, TEXAS

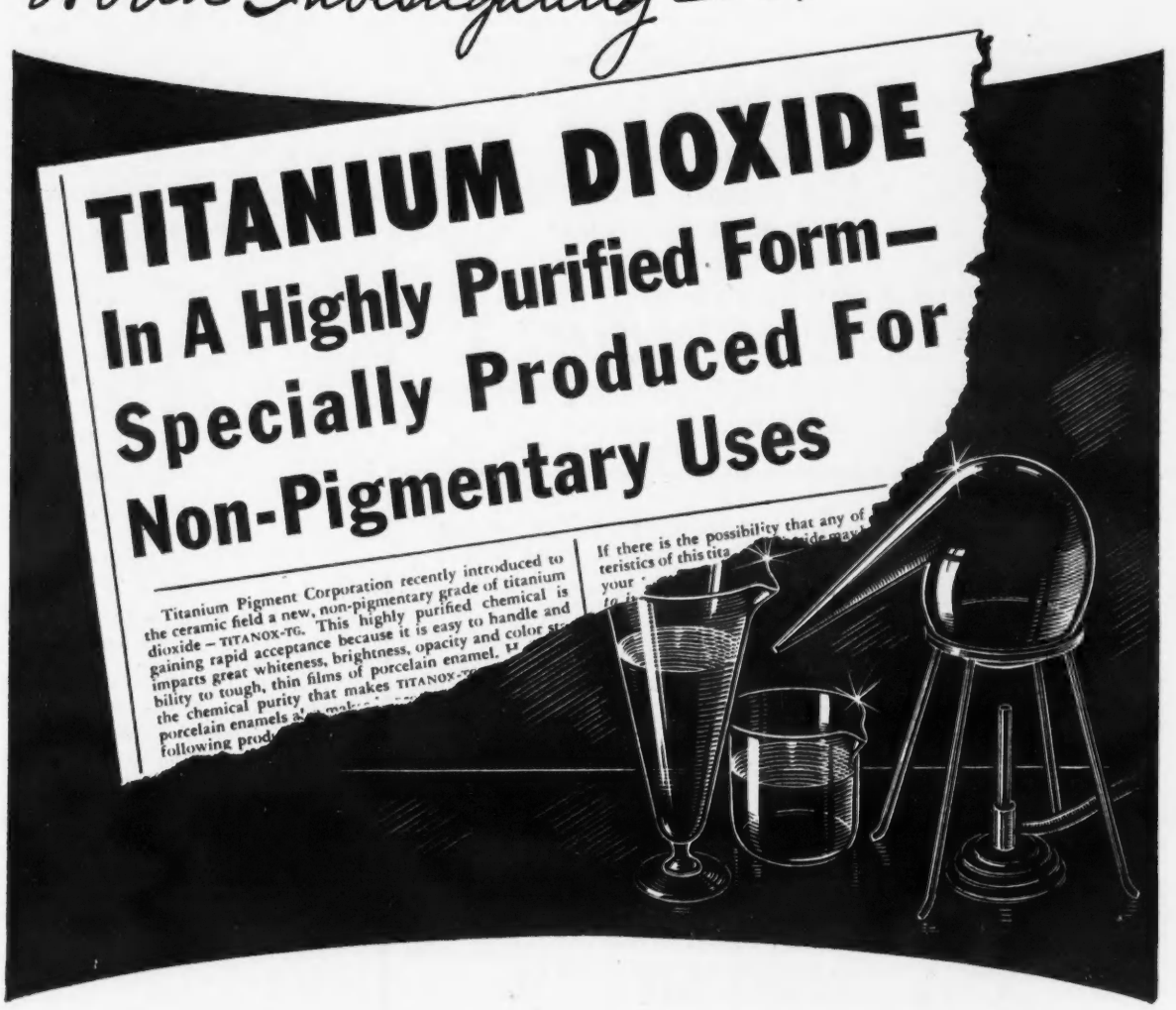
LEMONGRASS OIL—2 dms, Lo Curto & Funk Co, Puerto Barrios
38 dms, Norda Essential Oil & Chemicals, Puerto Barrios
LICORICE ROOT—167 bls, R J Prentiss, Messina
LIVERMEAL—497 bgs, Wessel Duval, Montevideo
LOCUST BEAN GUM—300 bgs, Rotterdam
110 bgs, Larnaca
710 bgs, Genoa
50 bgs, W M Allison, Genoa
100 bgs, American Key Products, Genoa
MAIDENHAIR FERN, DRIED—9 bgs, Peek & Velsor, Messina
MALACHITE—1 cs, H W Robinson, Antwerp
MEDICINAL HERBS—18 bls, Inland Alkaloid Co, Antwerp
33 bgs, W Bernstein Co, Buenos Aires
56 cs, W Bernstein Co, Buenos Aires
50 bls, Superintendence Co, London
SEED—125 bgs, S B Penick, London
MENTHOL—10 cs, Cathay Mercantile, Hong Kong
41 cs, Geismar & Co, Santos
MICA—2 cs, William Brand, London
77 cs, Eugene Munsell, London
35 cs, Minerals & Insulation, London
63 cs, Sigbert Loeb, London
133 cs, Andrew Lager, Rio de Janeiro
52 cs, Western Hemisphere Raw Materials, Rio de Janeiro
48 cs, Eugene Munsell, Rio de Janeiro
60 cs, Brazilian Minerals & Timbers, Rio de Janeiro
73 cs, Sigbert Loeb, Rio de Janeiro
83 cs, Andrew Lager, Rio de Janeiro
300 cs, Ameritex Dev Corp, Calcutta
255 cs, Cornelis & Suhr, Calcutta
12 cs, Liverpool
50 cs, Manufacturers Trust Co, Madras
13 cs, New India Mica Co, Madras
368 cs, United Mineral & Chemical, Calcutta
200 cs, Gillespie-Rogers-Pyatt, Calcutta
4 cs, Habers Export Agency, Calcutta
697 cs, Asheville Schoonmaker, Calcutta
1,265 cs, Eugene Munsell, Calcutta
82 cs, Stein Hall, Calcutta
10 cs, Davies Turner, Manchester
58 cs, Cosmopolitan Trading Corp, Rio de Janeiro
146 cs, Sylvania Electric Products, Rio de Janeiro
44 cs, Vilco, Inc, Buenos Aires
66 cs, Micacraft Product, Santos
32 cs, Crystal Trading Co, Rio de Janeiro
28 cs, Ford Radio & Mica Co, Rio de Janeiro
38 cs, Sigbert Loeb, Rio de Janeiro
11 cs, Western Hemisphere Raw Materials, Rio de Janeiro
MILK SUGAR—400 cs, Inredeco, Inc, Bluff
MINERALS—2,800 bgs, Rare Minerals & Metals Co, Victoria
MONAZITE SAND—400 bgs, Rare Minerals & Metals, Victoria
MONTAN WAX—34 bgs, G H Lincks, Bremen
MUSTARDSEED—200 bgs, Amaren Trading Corp, London
20 bgs, C Golden, Rotterdam
NAPHTHALENE—1,111 bgs, Commercial Steel & Chemical Corp, Rotterdam
2,500 bgs, Calco Chemical, Rotterdam
9 bgs, American Tebu Co, Amsterdam
NUTMEGS—750 bgs, Catz American Co, Tandjong Priok
NUX VOMICA—373 bgs, Barber SS Lines, London
OAK EXTRACT POWDER—200 bgs, Rijeka
OAKUM—240 pkgs, H S Williams Co, Rotterdam
OCHRE, YELLOW—280 bgs, Whittaker, Clark & Daniels, Capetown
OCOTEA CYMBARUM OIL—88 dms, Norda Essential Oils & Chemicals, Itajai
OITICICA OIL—290 tons, Brasil Oiticica, Fortaleza
OURICURY WAX—125 bgs, Innis, Speiden, Bahia
63 bgs, Wessel Duval, Bahia
63 bgs, Wessel Duval, Salvador
OX GALL—23 cs, Tupman Thurlow, Napier
4 dms, Bio-Process Co, Copenhagen
24 trcs, Wilson & Co, Buenos Aires
9 cks, Van Gelder Fanto, Buenos Aires
8 trcs, Merck & Co, Montevideo
3 kgs, Eli Lilly, Havana
4 kgs, Havana
PALM OIL—707 tons, Matadi
255 tons, Liverpool
PANCREATIN SUBTRATE—1 cs, Globe Shipping Co, Gothenburg
PAPAIN—28 chts, Charles L Huisking, Colombo
35 cs, American Ferment Co, Colombo
PARATOLUIDIN—22 dms, Arnold Hoffman, Liverpool
PATCHOULI OIL—4 cs, Dodge & Olcott, Penang
2 cs, George Lueders, Penang
PEATMOSS—1,250 bls, Premier Peatmoss Corp, Copenhagen
350 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
750 bls, New Amsterdam Import, Bremen
425 bls, Vendome International, Bremen
1,150 bls, Alkins Durbrow, Bremen
2,300 bls, Premier Peatmoss Corp, Dublin
PENICILLIN—2 cs, Charles Pfizer, Antwerp
PEPPER, BLACK—12 bgs, T Kaufman, Mombasa
164 bgs, Mincing Trading Co, Tandjong Priok
80 bgs, National City Bank, Cochin
160 bgs, Chase National Bank, Cochin
WHITE—79 bgs, Catz American Co, Tandjong Priok
PEPPERMINT OIL—10 cs, Yokohama
PERU BALSAM—1 dm, Wessel Duval, Cristobal
PETROLEUM, CRUDE—111,700 bbls, Cities Service Oil, Amuag
121,956 bbls, Esso Standard Oil, Puerto La Cruz
127,251 bbls, Socony Vacum, Puerto La Cruz
POTASH—20 kgs, Mager Bros, London
POTASSIUM CARBONATE—69 bbls, Nomaco, Inc, Antwerp
CHROME ALUM—30 cks, Penson & Co, Gothenburg
CYANIDE—200 dms, Terra Chemicals, Rotterdam
72 dms, Aceto Chemical Co, Rotterdam
FERRICYANIDE — 100 kgs, Hunt Chemical Works, Antwerp
PERMANGANATE—76 dms, Industrial Raw Materials, Hamburg
POLYTHIONATE—5 cs, Skodin, Inc, Olso
SULPHATE—900 bgs, Synthetic Nitrogen Products Corp, Bremen
PYRETHRUM FLOWERS—25 bls, U S Industrial Chemicals, Dar Es Salaam
130 bls, Gulf Oil Co, Dar Es Salaam
104 bls, McLaughlin Gormley King, Dar Es Salaam
309 bls, McLaughlin Gormley & King, Dar Es Salaam
PYRIDIN—5 dms, Chematar Inc, Hamburg
QUEBRACHO EXTRACT—1,092 bgs, Olsen Sales Agency, Buenos Aires
1,232 bgs, Tanimex Corp, Buenos Aires
317 bgs, Carl M Loeb Rhoades, Buenos Aires
4,850 bgs, Manufacturers Trust Co, Buenos Aires
QUICKSILVER—100 flasks, Chase National Bank, Tampico
RADIUM ELEMENT—1 cs, Radium Chemical Co, Antwerp
SAFFRON—20 bdls, Vera Cruz
SAGE LEAVES—775 bgs, Becker Mayer Seed Co, Beirut
SAGO FLOUR—266 bgs, W R Grace, Malacca
SCHEELITE ORE—1,000 bgs, South American Minerals & Merchandise Corp, Cabedello
109 bgs, Watson Geach, Bluff
49 bgs, Watson Geach, Beira
SEEDLAC—672 bgs, MacLac Co, Bangkok
150 bgs, J Berlage, Bangkok
183 bgs, Bangkok
205 bgs, Gillespie Rogers Pyatt, Bangkok
200 bgs, Mantrose Co, Bangkok
593 bgs, Ralli Bros, London
450 bgs, Ralli Bros, Calcutta
100 bgs, International Fertilizer & Chemical Corp, Calcutta
200 bgs, Schwab Bros, Calcutta
100 bgs, Haeuser Shellac, Calcutta
SESAME SEED—150 bgs, Louis Furth, Hong Kong
1,667 bgs, W R Grace, Cristobal
250 bgs, Hong Kong
SHARKLIVER OIL—19 dms, Collett Week & Nibecker, Keelung
1 dm, Collett Week & Nibecker, Oslo
SHEEP GALL—1 dm, Tupman Thurlow, Wellington
2 cks, Tupman Thurlow, Wellington
2 cks, K H Landes, Wellington
3 cks, Napier, Wellington
2 cks, Tupman Thurlow, Auckland
5 cks, Wilson & Co, Auckland
HOG GLANDS—2 kegs, Armour & Co, Buenos Aires
1 tcs, Armour & Co, Buenos Aires
1 ck, Pellew Wilson, Buenos Aires
26 cs, Parke Davis, Buenos Aires
15 bbls, International Packers Commercial, Buenos Aires
SHELLAC—18 bgs, Bangkok
71 bgs, J Henry Schroeder, Bangkok
124 bgs, Colony Import & Export, Bangkok
200 bgs, P N Rowe, Calcutta
100 bgs, MacLac Co, Calcutta
SIENNA, BURNT—60 bgs, Grace National Bank, Leghorn
SILVER NITRATE—1 cs, American Express Co, Havre
SHIPJACKLIVER OIL—5 dms, Bank of Manhattan, Yokohama
SODIUM BICARBONATE—8,955 bgs, Chemical Maufacturers Co, Liverpool
CYANIDE—100 dms, Aceto Chemical Co, Rotterdam
NITRATE—500 bgs, Cincinnati Chemical Works, Rouen
PRUSSIATE, YELLOW—68 cks, Sherwin Williams, Manchester
SPERM OIL—6 dms, A C Trask Co, Ponta Delgada
114 dms, First National Bank of Boston, Ponta Delgada
STARCH—50 bgs, B Westergaard, Rotterdam
60 bgs, Bank of Manhattan, Rotterdam
SUMAC—2 bgs, A Sahadi, Beirut
TALC—375 bgs, Whittaker Clark & Daniels, Marseille
TANKAGE—672 bgs, Wilson Co, Timaru
1,103 bgs, H J Baker & Bros, Buenos Aires
TANTALITE ORE—1,279 bgs, Philipp Bros, Matadi
TAPIOCA FLOUR—500 bgs, American Key Products, Singapore
834 bgs, J Henry Schroder, Itajai
2,000 bgs, Bankers Trust Co, Itajai
PEARL—168 bgs, Catz American Co, Tandjong Priok
TARTAR—463 bgs, Tartaric Raw Materials Inc, Marseille
TOLU BALSAM—100 cs, Barranquilla
TRAGACANTH GUM—197 bgs, Khorovshahi Co, Rotterdam
20 cs, V Simidian, Beirut
TUMERIC ROOT—44 bgs, S Hartman, Jacmel
TUNG OIL—300 tons, Bunge Corp, Buenos Aires
185 tons, China Mutual Trading Co, Hong Kong
200 tons, Pacific Vegetable Oil Co, Hong Kong
TUNGSTEN SCRAP—4 dms, Theodore B Smith Co, Yokohama
UREA—600 bgs, American Cyanamid Co, Liverpool
UMBER—240 bgs, Smith Chemical & Color Co, Larnaca
VALONIA CUPS — 1,156 bgs, Barkey Importing Co, Izmir
VANILLA BEANS—21 cs, Zanzibar
22 cs, Zink & Triest, Amsterdam
21 cs, Hunziker Inc, Amsterdam
25 cs, Norda Essential Oils, Chemicals, Rotterdam
86 cs, Thurston & Braidich, Marseille
52 cs, Camax Co, Marseille
WATTLE BARK—1,401 bls, American Dyewood Co, Durban
1,650 bls, River Plate Import & Export, Durban
8,795 bls, Hammond & Carpenter, Durban
2,200 bls, Olson Sales Agency, Durban
WATTLE EXTRACT — 1,041 bgs, Olson Sales Agency, Durban
2,244 bgs, River Plate Import & Export, Durban
1,055 bgs, Barkey Importing Co, Mombasa
WAX—20 cs, W Diehl, Kobe
WHALELIVER OIL—15 dms, National City Bank, Yokohama
WHITING—1,000 bgs, Pluess Stauffer, Antwerp
4,000 bgs, N H Weitzner, Antwerp
2,240 bgs, Liverpool
WOLFRAM ORE—270 bgs, National City Bank, Bangkok
278 bgs, Overseas Metal & Ore & Co, Bangkok
WOOL GREASE—28 dms, N I Malmstrom, Liverpool
XYLIDIN — 12 bbls, Astra Pharm Products, Gothenburg
YLANG YLANG OIL—4 cs, Chemical Bank, Zanizbar
ZINC OXIDE—2,000 cs, Uno Shipping Co, Rotterdam
400 bgs, Uno Shipping Co, Rotterdam

Baltimore

ALCOHOL—50 cks, American Alcolac Corp, Havre
BONEMEAL—2,199 bgs, Transatlantic Animal By-Products, Buenos Aires
1,000 bgs, Credit Suisse, Rosario
1,102 bgs, E J Lang, Rouen
CARAWAYSEED—50 bgs, Baltimore Spice Co, Amsterdam
CASEIN—250 bgs, Crown Cork & Seal Co, Havre
CHROME ORE—6,517 tons, L J Buck, Lourenco Marques
CHROMITE—3,393,502 lbs, J L Buck, Lourenco Marques
CODLIVER MEAL—500 bgs, Wessel Duval, Antwerp
EARTH COLORS—220 bgs, Mineral Pigment Corp, Amsterdam
EMULSIFIANT—1 cs, American Alcolac Corp, Havre

Worth Investigating—

TITANIUM DIOXIDE
In A Highly Purified Form—
Specially Produced For
Non-Pigmentary Uses



▶ Titanium Pigment Corporation recently introduced to the ceramic field a new, non-pigmentary grade of titanium dioxide – TITANOX-TG. This highly purified chemical is gaining rapid acceptance because it is easy to handle and imparts great whiteness, brightness, opacity and color stability to tough, thin films of porcelain enamel. However, the chemical purity that makes TITANOX-TG so useful in porcelain enamels also makes improvement possible in the following products:

GLASS to increase refractive index in special optical glasses; impart brilliancy to glassware; improve weathering; produce brilliant glass colors.

DIELECTRICS as the starting material for titania dielectrics including titanates having outstanding properties leading to capacitors of extremely high capacity for their size.

WELDING RODS minimum of sulphate and phosphate content permits use for wide range of steel types; low silicate absorption to permit ease of extrusion; easy dry flow for handling.

CARBIDES and related compounds—for cutting tool tips; hard surfaces.

ELECTRONICS as a starting material for reduced titanium compounds as applied to elements of thermionic tubes and other electron discharge devices.

If there is the possibility that any of the superior characteristics of this titanium dioxide may help you in improving your product or manufacturing technics, *it will pay you to investigate* the unique advantages of TITANOX-TG. Our Technical Service Department is always ready to give you the benefit of their long research experience with titanium dioxide. Titanium Pigment Corporation, 111 Broadway, New York 6, N. Y.; 104 South Michigan Avenue, Chicago 3, Ill.; 2600 South Eastern Avenue, Los Angeles 22, Calif. Branches in all other principal cities.

8102

®**TITANOX**
the brightest name in pigments

TITANIUM PIGMENT CORPORATION
Subsidiary of NATIONAL LEAD COMPANY

Barnett's

CAROTENE

Golden Opportunity Brand Vitamin A

ENRICHES AS IT COLORS

1 Carotene is the only form of Vitamin A which both colors and enriches.

2 Available in various types suitable for use in Butter, Margarine, Bakery Products, Feeds, etc.

3 NEW LOW PRICES competitive with those of other forms of Vitamin A.

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BENZYL ALCOHOL F.F.C. and TECH.
BENZYL BENZOATE U.S.P.
PARA AMINOBENZOIC ACID PURIFIED
SODIUM BENZOATE U.S.P.
TERPIN HYDRATE N.F.

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BROMISOVALERYLUREA . BRUCINE & SALTS
CAFFEINE & SALTS . CALCIFEROL
CARBROMAL . CHLORAL HYDRATE
CHRYSAROBIN . CINCHONA FEBRIFUGE
CITRATES . CYCLOBARBITONE
EMETINE SALTS . EPHEDRINE & SALTS
ESERINE & SALTS . HYDANTOIN DERIVATIVES
HYOSCINE HYDROBROMIDE
IODIDES . LITHIUM SALTS
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PARA AMINOSALICYLIC ACID AND ITS SODIUM SALT
PHENAZONE COMPOUNDS . PHENOBARBITONE AND ITS SODIUM SALT
PODOPHYLLIN RESIN EMODI . QUINIDINE SULPHATE
QUININE & SALTS . SALICYLATES
SANTONIN . STILBOESTROL
STRYCHNINE & SALTS . SULPHAGUANIDINE
SULPHANILAMIDE
THEOBROMINE & SALTS . THEOPHYLLINE & SALTS
TOTAQUINA
ETC.

Represented by

INDUSTRIAL RAW MATERIALS CORP.
52 WALL STREET, NEW YORK CITY

LECITHIN—5 cs, Girdler Corp, Rotterdam
MANGANESE ORE—11,424,000 lbs, E J Lavino, Takoradi
PEATMOSS—350 bls, S Shapiro, Bremen
740 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
POTASSIUM SULPHATE—900 bgs, Synthetic Nitrogen Products Corp, Bremen
QUEBRACHO EXTRACT—1,064 bgs, Olson Sales Agency, Buenos Aires
VALONIA CUPS—482 bgs, Barkey Importing Co, Izmir
WATTLE BARK—550 bls, River Plate Import & Export, Durban
EXTRACT—3,673 bgs, M S Kattenhorn Co, Durban
3,163 bgs, River Plate Import & Export, Durban
2,123 bgs, Mombasa

Boston

BONE—1,740 bgs, Eastman Gelatine Corp, Montevideo
1,813 bgs, International Packers Commercial Co, Montevideo
CASEIN—1,000 bgs, P A Dunkel, Buenos Aires
313 bgs, American British Chemical Supplies, Havre
CODLIVER OIL—100 dms, Eelsingh & Lugtigheid, Antwerp
COPAL GUM—16 bgs, J A McNulty, London
CRESYLIC ACID—40 dms, Tar Residuals, Manchester
GLUE—300 bgs, D C Andrews, Liverpool
MICA—12 cs, Brazilian Minerals & Timber Corp, London
194 cs, Eugene Munsell, London
NAPHTHALENE—1,000 bgs, Antwerp
3,333 bgs, Rotterdam
PEATMOSS—460 bls, Brussels Corp, Bremen
QUEBRACHO EXTRACT — 2,084 bgs, Tanimex Corp, Buenos Aires
SODIUM BICARBONATE—500 bgs, Liverpool
SULPHATE—5,000 bgs, Monsanto Chemical Co, Rotterdam
STARCH—1,000 bgs, First National Bank, Rotterdam
TAPIOCA FLOUR—468 bgs, H F P Dolan, Bangkok
4,096 bgs, Geismar & Co, Santos
3,499 bgs, Geismar & Co, Santos
VERMICULITE—178 tons, Vermiculite Industrial Co, Lourenco Marques
WATTLE EXTRACT—625 bgs, River Plate Import & Export Co, Durban
WOOL GREASE—50 dms, Marden Wild, Antwerp

Charleston

WATTLE BARK—567 bls, American Dyewood Co, Durban

Los Angeles

MACE—40 cs, Cunningham & Co, Colombo
MANGLE BARK—735 bgs, Tropical & Western Lumber Co, Cristobal

New Orleans

PEATMOSS—1,250 bls, Premier Peatmoss Corp, Copenhagen
SEEDLAC—400 bgs, Ralli Bros, Calcutta
SHELLAC—200 bgs, Ralli Bros, Calcutta

Norfolk

ASBESTOS FIBER—1,728 bgs, Hipage Co, Beira
FERTILIZER—3,611 bgs, J C Jett, Manchester
MICA—39 cs, Asheville Mica Co, Rio de Janeiro
32 cs, Eugene Munsell, Beirra
34 cs, Asheville Mica Co, Calcutta
SCRAP—890 bgs, Asheville Mica Co, Calcutta
POTASSIUM MURIATE—680 tons, French Potash Import Co, Antwerp
UMBER—1,428 bgs, J Lee Smith, Larnaca
WATTLE BARK—1,089 bls, Hammond & Carpenter, Durban

Philadelphia

ALOES, CAPE—35 cs, Capetown
AMMONIUM CHLORIDE — 1,600 bgs, Chemical Manufacturing Co, Liverpool
ANTIMONY OXIDE—500 bgs, Harshaw Chemical Co, Liverpool
250 cs, Havre
ARABIC GUM — 250 bgs, Philadelphia National Bank, Port Sudan
ASBESTOS, AMOSITE—325 bgs, Pellew Wilson, Durban
FIBER—1,060 bgs, Durban
9,840 bgs, Keasby & Mattison, Beira
300 bgs, C Kurz & Co, Lourenco Marques
BERYL ORE — 2,500 bgs, Philadelphia National Bank, Victoria
BLUE, WASHING—50 cs, Atlantis Sales Corp, Manchester
BONEMEAL—1,049 bgs, Tupman Thurlow, Buenos Aires
400 bgs, International Packers Commercial, Brisbane
11,191 bgs, Kind Knox Gelatine Co, Calcutta
BRASS SCRAP—228 dms, North American Smelting Co, Rotterdam
CANARYSEED—427 bgs, Philadelphia National Seed Co, Brisbane
CARNAUBA WAX—22 bgs, T G Cooper, Fortaleza
CASTOR OIL—165,000 kilos, Rohm & Haas, Fortaleza
CHROME ORE—10,375 tons, Bank of Manhattan Co, Novorossik
750 tons, Bank of Montreal, Iskenderun
8,627 tons, Mutual Co of America, Iskenderun
CHROMITE—4,500 tons, E J Lavino, Masinloc
COPAL GUM—80 bgs, J Meyer, Antwerp
CRESYLIC ACID—467 dms, Glasgow
150 dms, Concord Chemical Co, Liverpool
101 dms, George Street, Liverpool
100 dms, Charles Page & Co, Rotterdam
DIMETHYLAMINE SULPHATE—20 dms, Rohm & Haas, Melbourne
EMERY — 508,000 kilos, Brown Bros, Harriman, Kulluk
FISHMEAL—1,561 ctns, Chimbote
GLUESTOCK—405 bls, Darmstadt Scott & Courtney, Vera Cruz
GYPSUM, CRUDE—6,257 tons, U S Gypsum Co, Hantsport
IRON NITRATE—20 cks, Glasgow
LEAD, VIRGIN—43,315 ingots, Philipp Bros, Rijeka
LEPIDOLITE—1,619,245 lbs, Corn Exchange Bank, Walris Bay
LICORICE ROOT — 11,698 bls, Mac Andrews & Forbes, Busreh
LIVERMEAL—414 bgs, Buenos Aires
MANGANESE ORE—5,215 tons, E J Lavino, Durban
5,648 tons, Bethlehem Steel Co, Durban
532 tons, Ore Trading Corp, Durban
MOLASSES—756 tons, Old Time Molasses Co, Judaro
5,058 tons, NATI Co, Guantanamo
MUSTARD—1,075 ctns, London
NEATSFOOT OIL—22 dms, Charles Hollinshed Co, Auckland
ORTHOCHLOROMETATOLUIDIN PARASULPHONIC ACID—2 bbls, Albert Maurer, Rotterdam
PEATMOSS—900 bls, Keer Maurer, Bremen
1,200 bls, Bank of Manhattan, Dublin
PERCHLOROETHYLENE—50 dms, Chemical Manufacturing Co, Manchester
PERFUMERY—1 cs, John Wanamaker, Leghorn
PETROLEUM, CRUDE — 355,093 bbls, Gulf Oil Corp, Puerto La Cruz
197,816 bbls, Gulf Oil Corp, Mena Al Ahmadi
120,405 bbls, Atlantic Refining Co, Puerto La Cruz
185,632 bbls, Socony Vacuum Oil, Mena Al Ahmadi
POLISH, METAL—35 cs, Atlantis Sales Corp, Manchester
POTASSIUM SULPHATE—181 bgs, Woodward & Dickerson, Amsterdam
PUMICE POWDER—200 bgs, B Chrystal Co, Istanbul
QUEBRACHO EXTRACT—500 bgs, American Cyanamid Co, Liverpool
SILLIMANITE, ASSAM—303 tons, Charles Tayler Sons, Calcutta
SODIUM DICROMATE—100 dms, Morris Friedman, Rotterdam
TANKAGE—839 bgs, Tupman Thurlow, Buenos Aires
TAPIOCA FLOUR—500 bgs, Stein Hall, Itajai
VANILLA BEANS—46 cs, Tradesmen's National Bank, Tahiti
WATTLE BARK—1,128 bls, American Dyewood Co, Durban
WHITING — 3,200 bgs, Thomas Textile Agency, Antwerp
ZIRCON ORE—5,060 bgs, F Samuel, Santos
13,000 bgs, Phillip Bros, Brisbane

San Francisco

ASBESTOS WASTE—15,000 bgs, Johns Manville, Montreal
BAUXITE ORE—600 tons, Stauffer Chemical Co, Tembladora
BONE MEAL—1,705 bgs, Consolidated Chemical Industries, Buenos Aires
312 tons, Consolidated Chemical Industries, Buenos Aires
2,205 bgs, Transatlantic Animal By-Products, Havre
CASEIN — 1,000 bgs, American Cyanamid Co, Buenos Aires
500 bgs, Monsanto Chemical Co, Brisbane
CASSIA—200 bls, S L Jones & Co, Hong Kong
82 pkgs, Internatio Rotterdam, Tandjong Priok
150 bls, H M Newhall & Co, Hong Kong
COPAL GUM—127 bskts, Internatio Rotterdam, Sourabaya
COPRA—700 tons, El Dorado Oil Works, Bulan
250 tons, El Dorado Oil Works, Legaspi
400 tons, Cargill & Co, Cebu
350 tons, Cargill & Co, Zamboanga
133 tons, Atkins Kroll & Co, Zamboanga

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100 dms, Lady's Choice Foods, Barcelona
100 dms, Parodi Erminio, Malaga
148 dms, Malaga
50 dms, Manufacturers Trust Co, Seville
40 dms, Chemical Bank & Trust, Cadiz
PEPPERMINT—128 pkgs, Hulse Import Co, Havre
SESAME SEED—5,305 bgs, Pacific Vegetable Oil, Taku Bar
3,558 bgs, Balfour Guthrie, Taku Bar
SOYBEAN CAKE—1,000 tons, Pacific Vegetable Oil Corp, Taku Bar
TIN—5 tons, Internatio Rotterdam, Inc, Singapore
TUMERIC—85 bgs, Mincing Trading Co, Madras
TUNG OIL—300 tons, S L Jones & Co, Hong Kong
VANILLA BEANS—25 cs, Paul Rieger & Co, Papeete
ZIRCON SAND—200 bgs, Brisbane
260 bgs, Bank of New South Wales, Brisbane

Coaltar Chemicals

—*Continued from page 47*

Paraphenylenediamine — Both the redistilled and refined technical grades received spot rises of 5c. per pound last week. The former is currently quoted at $2.05 per pound, while the latter ranges from $1.30 to $1.40 per pound, depending upon quantity.

Paratoluidin—The spot increase of 6c. per pound, effected earlier by one maker, received tradewise endorsement during the week. Upshot of the price activity was stabilization of quotations at new higher levels, with schedules uniformly calling for 61c. per pound on the material.

Phthalic Anhydride—Call continued excellent during the period, with the protective coatings industry in particular keeping up a steady pace of inquiries. Notwithstanding the pressure of demand, producers of this intermediate reported no difficulty in keeping all customers adequately supplied. Prices were unchanged, and there was nothing in this connection contemplated within the immediate future.

R Salt—One maker of the paste announced a spot boost of 13c. per pound last week. Other sellers took no immediate action.

Schaeffer's Salt—This material was 7c. per pound higher throughout the market last week, other sellers going along with the recent spot increase by one maker. The new price is 73c. per pound.

Sodium Naphthionate—The 6c. advance on spot, inaugurated by one seller, became generally accepted in last week's market. The new price for the material is 66c. per pound.

Xylenol—As per previous announcements, prices on both meta and other fractions went up 10c. per gallon on spot last week. The new schedule on fractions over 7 degrees ranges from 90c. to $1.04 per pound, depending upon quantity. Meta listings are 10c. per gallon higher.

Pennsalt Offers New Sodium Product for Test Purposes

Pennsylvania Salt Manufacturing Company, Philadelphia, is offering for evaluation purposes sodium parachlorobenzenesulphonate monohydrate, a freely flowing, coarsely crystalline, water soluble compound, which has a molecular weight of 233 and is thermally stable except for loss of its water up to 300 degrees C.

Laboratory investigations by Pennsalt indicate the following possible industrial applications for the product:—as a peptizing agent for casein, soya proteins and related materials in the manufacture of adhesives and plastics, as an agent in pigment flushing, ore flotation, sensitizing and breaking of oil emulsions and as a solubilizing agent for certain dyes; for raising the cloud points of non-ionic and anionic detergents in acid, caustic and alkaline salt solutions; for the preparation of alkaline earth salts of parachlorobenzenesulphonic acid as crank case detergents.

Inquiries concerning specific and potential applications and other information should be addressed to the market research division of the company at 1000 Widener building, Philadelphia 7.

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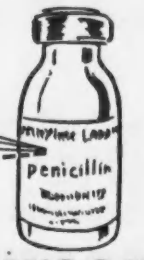

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WORLD'S LARGEST SUPPLIERS OF VANILLIN

Botanical Drugs, Spices, Gums

Price movements in botanicals were overwhelming upward last week. Out of fifty-six changes in price, only six were declines. Medicinal botanicals appeared in the list of rising prices more frequently than of late. Most rises were in imported merchandise. As to domestic botanicals, the prices being paid now by the 1950 collectors are higher than was paid a year ago in August. Out of one hundred and twenty-two items being sought at the origin, 34.3 percent were higher in price; 13.1 percent were lower; and 52.6 percent were unchanged from a year ago. The market index rose 1.4 points in reaching 186.4.

The upswing in flavoring items was widespread and vigorous. The especially strong items included cardamoms, celery seed, coriander seed, mace, Dutch poppy, and cassias. Most of these scored very sharp rises in price, on spot and at the several origins.

In medicinal botanicals, price leaders included cascara, chamomile, dandelion, ipecac, kamala, lycopodium, papain, psyllium seed and husks, senega, and sennas from India. Excepting cascara and senega, all were of foreign origin and the source markets forced local changes.

Reports from the collection areas supplying domestic botanicals showed specifically that collectors today are paying prices that range moderately to sharply above those paid in August, 1949. Very few prices are lower than a year ago. The following tabulation lists only a part of the items for which collectors are paying more money this year, mainly because wet weather has crippled collection severely and the danger of shortage has caused them to raise buying prices to stimulate gatherers to greater activity.

Higher

Angelica root
Balm of gilead, green
Beth root
Birch bark
Blackberry root
Black hellebore root
Black haw, root bark
Blood root
Blue cohosh root
Butternut bark
Catnip leaves
herb
Chickweed herb
Clover flowers, red
Fringetree bark
Hydrangea root
Jersey tea, root bark
Life plant root
Mandrake root
Motherwort herb
Passion flower, herb
leaves
Pennyroyal herb
leaves
Peppermint herb
Poke berries
Red shank, root bark
Sassafras, root bark, unrossed
tree bark
Serpentaria root
Shonny haw, bush bark
Slippery elm bark
Star root
Turkey corn root
Wahoo, root bark
Wild ginger root
Wintergreen herb
Witch hazel leaves
Wild cherry bark, thin, rossed
natural
thick, rossed
natural
Wild yam root

Lower

Balm of gilead, dry
Bitter root
Boneset leaves
Gelsemium root
Ladyslipper root
Maiden hair herb
Mullein leaves
Peppermint leaves
Raspberry leaves
Sassafras, root bark, rossed
Scouring rush herb
Spearmint leaves
herb
Spikenard root
Stone root
Sumac, root bark

Barks

Black Haw—Buying prices on root bark have been upped fully 5c. per pound over prices prevailing at the origin just a year ago, giving a firmer tone to spot market quotations and tending to force sellers to consider establishment of a local price rise.

Butternut—Country buyers have posted prices 5c. above those prevailing just a year ago in the domestic primary market.

Cascara Sagrada—Quotations were higher at 33c. to 35c. per pound and the advance fitted closely with the prices that had to be paid at the origin to get a moderate sized peel.

Fringetree—Collectors in the domestic primary center are paying 5c. per pound more for collections than they did last year at the corresponding time. Spot prices were firmer.

Sassafras—Unrossed root bark at the origin is being bought at a 2c. per pound advance over prices in force a year ago. Tree bark is 1c. higher. The select quality of bark has an exceptionally firm tone because of a rather disappointing arrival of new crop at primary market warehouses.

Imports Detained by FDA

Week Ended July 28

New York

Caraway seed, 200 bags: filthy.
Cassia buds, 51 bags: live insects.
Codliver oil, 29 drums: not USP.
Ergot, 40 bags: not NF.
Mustard seed, 200 bags: filthy.
Sesame seed, unhulled, 1,667 bags: filthy.
Stramonium leaves, 23 bales: filthy.

Market Trends

Prices Advanced

Drugs

Cascara sagrada bark, 3c. per lb.
Chamomile flowers, Hungarian, 10c. per lb.
Dandelion root, 10c. per lb.
Ginger root, Jamaica, No. 1, 3c. per lb.
No. 2, 1c. per lb.
Gum tragacanth, ribbon, 25c. per lb.
Ipecac root, whole, 65c. per lb.
powdered, $1.10 per lb.
Juniper berries, 2c. per lb.
Kamala, powdered, 10c. per lb.
Lycopodium, 10c. per lb.
Papain, powdered, $1.40 per lb.
Psyllium seed, French, 9c. per lb.
Indian, blonde, 9c. per lb.
husks, 20c. per lb.
Saffron, USP, 50c. per lb.
Senega root, 5c. per lb.
Senna, TV, No. 1, 5c. per lb.
No. 2, 2c. per lb.
No. 3, 2c. per lb.

Other Articles

Anise, Chinese star, 1c. per lb.
Czech, ½c. per lb.
Turkish, ¼c. per lb.
Cardamom, fancy bold, bleached, 10c. per lb.
green, Ceylon, 35c. per lb.
Cassia, Batavia, longstick, 1c. per lb.
broken, 5c. per lb.
shortstick, 2c. per lb.
Honan, Yunnan rolls, scraped, ¼c. per lb.
broken, ¼c. per lb.
Saigon, broken, 2c. per lb.
Celery seed, French, 2c. per lb.
Indian, 1c. per lb.
Cinnamon, Ceylon, No. 2, 1c. per lb.
Clove, Madagascar, ½c. per lb.
Zanzibar, ½c. per lb.
Coriander seed, Argentine, 6c. per lb.
Moroccan, 8c. per lb.
Cumin seed, ½c. per lb.
Fennel seed, French, 1c. per lb.
Mace, W. I., 5c. per lb.
Nutmegs, E. I., 2c. per lb.
W. I., ½c. per lb.
Pimento, Jamaica, ½c. per lb.
Poppy seed, Dutch, 2½c. per lb.
Savory, French, 1c. per lb.
Sesame seed, Nicaragua, hulled, ½c. per lb.
Thyme, French, 1c. per lb.
Spanish, ½c. per lb.

Prices Reduced

Drugs

Uva ursi leaves, 2c. per lb.

Other Articles

Cassia, Batavia, medium thin, 2c. per lb.
Pepper, bleach, 15c. per lb.
Sage, Dalmatian, 10c. per lb.
Pepper, black, 15c. per lb.
red, Haitian, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 5, 1949
186.4	185.0	186.3	193.6	177.7

(For Current Prices see Page 9)

Beans

Vanilla—To this writing, panic buying by consumers has not developed in this market. The prices have become firmer on the whole but that has been due mainly to the fact that the French market has become a deal stronger. As one factor expressed it last week: "The weakest market in the world is that in the United States; all others show real strength. The present spot quotations are at levels just about even with today's replacement cost."

Substantial stocks of beans exist in this country, a fact which accounts for the absence of buying at this time. Eventually, consumers will be forced into the market and when they come they will find that what seems now to be the weakest of the international markets is in fact one of substantial strength.

Flowers

Chamomile—There is very little material actually on spot. Most quotations involve flowers to arrive later on and the range in quotations was very wide on that basis last week. The quotations were 55c. to 85c. per pound and quoters at either end of the range held very strong opinions on values.

Clover—The collectors of domestic red clover are paying about 10c. per pound more this year than they did to field workers a year ago at the corresponding period of time. Foreign shippers have not flooded this market with offerings of late.

Gums

Benzoin — Numerous inquiries were noted on spot but it appeared that at least some of the same originated with merchants attempting to ascertain the spot market with the purpose of establishing a price at which to offer some replacements.

Tragacanth—The market was advanced here to reflect a sharp rise at the origin. No. 1 ribbon became $3 to $3.25 per pound; No. 2, $2.30 to $2.55; and No. 3, $2 to $2.25.

Herbs and Leaves

Boneset—Purchases of new crop in the primary market are being made at prices 1c. lower than those posted a year ago.

Catnip—Buying prices on leaves have been raised 15c. per pound in the primary

For Late Market Developments, See Page 4

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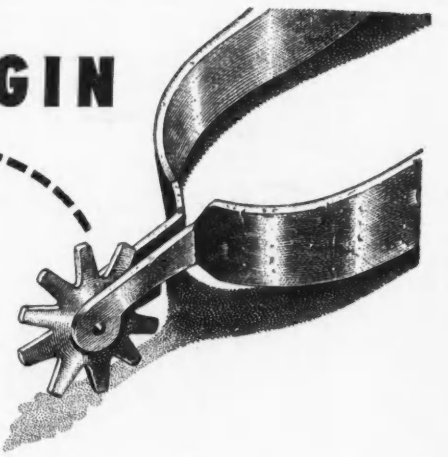

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market over the buying prices in force last year at the corresponding time. Also collectors pay 3c. more for herb.

Coltsfoot—Some fairly attractive prices were sent here from the market in Belgium and fair quantities were bought.

Marjoram — French herb was offered mainly in an afloat position and on such material a price of 45c. to 46c. per pound was set by the expectant importer. Spot last sold at 48c.

Motherwort — Some primary market stocks were low enough to make collectors raise present buying prices 5c. over the levels prevailing a year ago at the corresponding time.

Passion Flower—In seeking to stimulate larger collections, buying prices at the origin were upped 4c. per pound on herb and 5c on leaves over the prices posted a year ago at this time.

Pennyroyal—Herb and leaves in the primary market were being bought at prices above those in force last year in August. The rise in herb was 1c. per pound and that on leaves was 5c.

Peppermint — Some collectors offered workers 5c. less per pound for leaves than they paid a year ago. In the instance of herb, however, they were willing to pay 2c. over the 1949 prices.

Sage—A limited gain in unsold stocks of Dalmatian material brought prices down to $1.25 to $1.30 but the quotation seemed to be subject to confirmation. Syrian leaves were lower at 17c. to 17½c. under better supply.

Senna—Prices rose sharply in India and the rise there carried spot quotations along with it. On spot, No. 1 became 20c. to 24c. per pound as to seller and quantity; No. 2, 16c. to 20c.; No. 3, 12c. to 13c.

Savory—French material was raised to 11c. to 11½c. per pound. Spanish remained unchanged but was steadier.

Uva Ursi — Wide variation in quality prevailed in spot, a fact that accounted for quotations as low as 6c. per pound and as high as 14c.

Witch Hazel—Country buyers offered to pay prices that were 3c. per pound above those paid for much of the 1949 crop. The supply situation to this time has been unfavorable at the source.

Thyme—French leaves on spot were up to 16c. to 16½c. per pound, which was also quoted for import. Spanish rose to 9c. to 9½.

Miscellaneous

Kamala—The supply situation has become tighter and as holdings dwindled last week, prices were raised under a steady demand that was satisfied in part at 70c. to 80c. per pound, depending on supplier.

Lycopodium—The market was marked up to $1.30 to $1.50 per pound and it became doubtful if imports would continue without interruption.

Papain—Prices in foreign markets have risen steadily and with higher cost merchandise due to arrive here, the whole spot market has strengthened on the higher level of $3.50 to $4 per pound.

Roots

Angelica—In seeking a restock of the domestic root, primary market collectors are paying prices fully 15c. per pound above the 1949 posted list of collectors at the source.

Black Hellebore — Collectors at the domestic source are offering to buy at prices 10c. over what they paid a year ago.

Blood — Some collectors are driving more actively for 1950 collections and to that end are paying prices 5c. per pound higher that those paid a year ago in August.

Dandelion — Danger of imports being made more difficult and the fact that foreign prices have arisen were combined reasons for a spot advance in quotations to 50c. to 55c. per pound.

Ipecac—Sellers were showing increasing reserve. The source prices have risen and quantities offered for shipment have lessened. Local quotations rose to $4.75 to $5 per pound for whole and $5.50 to $6 for powdered root.

Mandrake—The market showed added signs of strength. Demand continued to broaden and the interest of consumers was a strengthener of practically all quotations. In the collection area, buying prices stand at least 4c. over those in force a year ago in August.

Orris—Quotations on Verona root were raised to 15c. to 18c. per pound for whole and 19c. to 24c. for powdered root. In most quarters, prices on Florentine were 5c. above the above limits.

Senega—The market was advanced once again, becoming $1.70 to $1.80 per pound here in response to a more strongly held supply in the primary market.

Seeds

Anise—Czech seed was upped to 14c. to 14½c. per pound. Chinese star anise was minimum at 25c. to 25½c. And Turkish was not in hand under 13¾c. to 14c.

Cardamom — Stock became steadily smaller and more often than not merchants were able to offer goods for later arrival only. Fancy bleached bold merchandise stood at $3.60 to $3.65 per pound; bold, $3.50 to $3.55. Decorticated, Alleppey, $4 per pound for goods afloat; Ceylon, $3.40 nominal; Guatemalan, $3.45 nominal; Indian, $3.20 nominal; Mangalore, $3.55 to $3.40. Green, Alleppey, no prices; Ceylon, $2.75 to $2.80.

Celery — The talk was of a 50c. spot market on French material. It reached 42c. to 43c. per pound last week. Indian seed was up to 28c. to 28½c.

Coriander—Argentine seed was sensationally high at 20c. to 20½c. per pound. No Italian was available. Moroccan was equally sensational in an advance to 28c. to 30c.

Cumin — All spot varieties were advanced to a uniform 17c. to 17½c. per pound.

Poppy—Dutch seed continued to climb higher; it reached 23½c. to 24c. per pound last week.

Psyllium — Very high prices in India have forced the blonde seed on spot to the basis of 23c. to 24c. per pound. Husks stood sharply higher at 65c. to 70c. French was about nominal at 17c.

Spices

Cassias—Batavias were higher. Longstick, 27c. to 30c. per pound; broken, 21c. to 22c.; shortstick, 20c. to 20½c. Honan and Yunnan rolls were higher at 18c. to 18¼c. per pound for whole, scraped material; broken, 17c. to 18¼c. The unscraped goods were unchanged. All medium Saigon rose to 46c. to 48c.; broken, to 36c. to 38c.

Cinnamon—The price of Ceylon No. 2 was raised to 39c. to 40c. per pound, responding to developments at the source.

Clove—Madagascar spice became 27c. to 27½c. per pound. Zanzibar, 27½c. to 28c. Source prices were much above these quotes.

Ginger—Jamaica No. 1 was higher at 62c. to 63c. per pound; No. 2, 61c. to 62c. African held strong at 45c. to 46c. Split Nigerian, 35c. to 36c.

Pepper—Greater spot availability led to a lowering of spot prices and sales last week at times were made as low as $2.45 to $2.50 per pound for black pepper. However, when contracts had been cared for, not much unsold spot pepper from late arrivals was in hand and at times it proved impossible to buy as little as 2 bags on open order.

Quotations on Friday were: Black pepper, spot, $2.45 to $2.50 per pound; August shipment, $1.75; August-September shipment, $1.70. White pepper, $2.95.

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Essential Oils, Other Aromatics

A general state of unrest prevailed in the essential oils and aromatic chemicals market last week and the tone was particularly strong. The few price reductions made in sweet almond, palmarosa, petitgrain, peppermint and rosemary oils were almost completely overshadowed by sharp rises in the quotations of orange and other citrous oils, as well as of geranium, lavender, vetiver and clove oils. Noticeably higher, also, were cardamom, cedarleaf, celeryseed, pimento and spearmint oils. The total effect of the price changes was an increase of 7.6 points in the index, which then stood at 146.1.

The most notable change in price came at the end of the previous week when a large producer of California orange oil increased its quotations, thus starting a chain of rises in most types of orange oil. All citrous oils exhibited additional strength, particularly those originating in Italy, as mandarin and bergamot. Lemon oil, which had already moved up considerably, remained firm and strong.

Russian oils, such as abies siberica and coriander, were moving up and presented some problem to dealers who were not sure of just when replacements could be expected and at what cost.

Floral oils, particularly geranium, lavender, vetiver and ylang-ylang, remained the most difficult spot in the market with replacements barely trickling in at constantly increasing prices. Anise and cassia oils were gradually reaching a point of nonexistence on the local scene and many dealers discontinued quotations while awaiting developments abroad.

The general feeling among dealers was toward waiting for developments. Many were reluctant to sell in large volume for fear of no replacements and at the same time were holding up on purchasing replacements for fear of being caught with quantities of high cost material were the situation to clear suddenly.

Market Trends

Prices Advanced

Bergamot oil, Italian, 5c. per lb.
Cananga oil, rectified, 5c. per lb.
Cardamom oil, $3 per lb.
Cedarleaf oil, 15c. per lb.
Celeryseed oil, 50c. per lb.
Citronella oil, Ceylon, 5c. per lb.
Clove oil, 10c. per lb.
Coriander oil, $2 per lb.
Geranium oil, Algerian, $2 per lb.
Bourbon, $2 per lb.
Lavandin oil, 10c. per lb.
Lavender flower oil, 38-40%, 35c. per lb.
40-42%, 15c. per lb.
spike oil, 15c. per lb.
Lemongrass oil, 15c. per lb.
Orange oil, Calif., 20c. per lb.
Florida, 20c. per lb.
West Indian, 50c. per lb.
Pimento berry oil, 15c. per lb.
leaf oil, 10c. per lb.
Sassafras oil, USP, 35c. per lb.
Spearmint oil, 10c. per lb.
Thyme oil, NF, red, 15c. per lb.
white, 10c. per lb.
Vetiver oil, Bourbon, $1 per lb.
Haitian, $2.40 per lb.
Java, $6 per lb.
Ylang-ylang oil, Madagascar, $1 per lb.

Prices Reduced

Almond oil, sweet, 5c. per lb.
Palmarosa oil, 15c. per lb.
Peppermint oil, natural, 5c. per lb.
redistilled, 10c. per lb.
Petitgrain oil, 5c. per lb.
Rosemary oil, USP, 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 6, 1949
146.1	138.5	134.4	102.8	107.5

(*For Current Prices see Page 9*)

Essential Oils

Abies Siberica—As an item of Russian origin, the position of this oil was unpredictable. Prices were exhibiting new strength and were offered between $2.85 and $3.50 per pound. Only limited quantities were being shipped and import prices were said by dealers to be higher than the lowest spot prices which prevailed.

Almond—All varieties, both bitter and sweet, seemed to be available, although the quantities were not great. Sweet oil was offered at slightly lower prices, from 50c. to 85c. per pound. Bitter oil continued at unchanged prices.

Anise—After several months during which supplies flowed freely into the market, developments in the Far East have caused a complete about-face. Virtually no shipments were being made at the origin. Reports indicated that extremely small offers were being made at constantly increasing prices, and dealers were inclined to believe that material was being held at the source by shippers who hoped for still higher returns. Spot prices ranged from $1.15 to $1.60 per pound.

Bergamot—In a position similar to most citrous oils from Italy, this item advanced again last week to range from $4.50 to $5.15 per pound, depending upon brand. Supplies, while presenting no great problem, were somewhat limited. Prices at the source were constantly moving upward.

Cananga—A 5c. per pound rise in price was registered for the rectified article, which could be had at $5.10 to $6 per pound. Native oil remained unchanged at the prices established last month. Supplies were rather limited, but were evidently sufficient to meet requirements.

Cardamom—With the rise in the cost of seed, the oil moved up again to take a position at $55 to $63 per pound. Material was scarce on the spot market and, with new crop oil still three months off, the situation might be expected to remain unabated for some time to come.

Cassia—With warehouse stocks almost completely gone and replacements absolutely unobtainable, traders withdrew prices and were making no offers last week. No change in these conditions could be seen in the near future.

Cedarleaf—After a decline, based for the most part on competitive conditions, last week saw this oil move up considerably to a range of $2 to $2.15 per pound. Supplies were apparently adequate to meet all needs.

Celery—Additional strength was added to the price, which moved up 50c. per pound to a range of $16.25 to $17.50 per pound. The recent firming of seed costs has helped to maintain the high prices and spot stocks were reported to be rather tight.

Citronella—With fears concerning replacements in the minds of handlers, Ceylon oil showed a slight rise and was offered from $1.20 to $1.40 per pound. Java type oil remained firmly at $1.60 to $2.10 per pound.

Clove—New strength was added to an already strong market with an increase of 10c. per pound in the minimum offer of this oil last week. Quotations were made between $1.80 and $2.10 per pound. Spice prices continued to be high and the oil might be expected to remain firm for some time to come.

Coriander—Prices took a sharp upward turn, with the minimum offer moving up $2 per pound to $21. Quotations continued to range up to $26.50. Stocks were fairly limited and very few offerings were made from Russian origins. It was reported that one shipment was en route to market, but dealers stated that it was impossible to estimate time or quantities of future shipments.

Geranium—Both Algerian and Bourbon oils seem to have gone "sky high" with prices above any recorded during the past few years. Algerian material was priced at $20 to $22.50 per pound last week, and the Bourbon article at $22 to $24. Stocks were apparently being held in very firm hands at the primary sources and dealers were fearful lest the prohibitive prices discourage entirely any interest on the part of users. No relief could be seen in the situation.

Lavandin—This oil has moved up considerably and, while one dealer was able to offer it at the minimum quotation of $1.45 per pound, the majority of offers were held more nearly at $2 and as high as $2.25 per pound. At the source, there have been claims of a short crop resulting in a pushing of replacement costs and the local market might be expected to remain strong for a while.

Lavender—All types have reflected the strength at the origin. A sharp rise in the price of the 38-40 percent ester grade put the price at $3.50 to $4.15 per pound, while the 40-42 percent ester material moved up to $3.65 to $4.75 per pound. The 30-32 percent item showed stability and was unchanged at $2.25 to $3.25 per pound. Spike oil also gave indications of strengthening, moving up 15c. per pound at the low end of the scale to $1.25 and ranging up to $1.40.

Lemon—This market remained steadily firm with small quantities arriving at the market at the prices established some weeks ago. Oil of Californian origin was quoted at $3.35 to $3.75 per pound, depending upon producer, while Italian material continued to be offered between $3.35 and $6.50 per pound, as to brand.

Lemongrass—After a prolonged period of weakness, this item began to give signs of strengthening, reflecting in the spot price which was up to $1.85 to $2.50 per

For Late Market Developments, See Page 4

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pound. Local stocks were becoming limited and shipment costs were said to be as high as the minimum prices being asked for spot material. According to observers, the situation was believed to be a temporary one caused by a lack of shipping space and might be expected to right itself.

Mandarin—Floridian oil has shown little reaction to the general unrest of citrous oils and continued to be available at a range of $1.60 to $1.75 per pound. Italian oil also remained stable and somewhat high at $4.85 to $8.50 per pound. Interest in all types was mild but steady.

Niaouli—This article was offered between $1.95 and $3 per pound, with indications of some shading. Some dealers have temporarily discontinued the article but those holding stocks were meeting all needs.

Orange—As had been anticipated for the past two weeks, California oil moved up markedly and last week stood at 75c. to $1.25 per pound, according to brand. This was a rise of at least 20c. per pound. Floridian material also jumped 20c. per pound at the low end of the range to a position at 60c. to $1 per pound. According to dealers, the period of low priced oil seems to be at an end for some time to come with the developments of new frozen juice methods. Messina oil remained high and unchanged in price at $2.90 to $5.50 per pound. Oil of West Indian origin also followed the upward trend and was quoted at $2.50 to $3.15 per pound.

Palmarosa—A decline in the minimum offer to $7.10 per pound might be attributed to the competitive market and hardly reflected the general firmness of all varieties of geranium derivatives. On the other hand, the top of the range moved up sharply to a new high of $10.50 per pound. The material throughout the market remained fairly stable and was available in limited quantities.

Patchouli—Conditions remained rather tight with limited quantities of the oil being offered for as low as $20 per pound by one firm, while the majority of dealers quoted nearer to the high offer of $22.50 per pound. This market, like most floral oils, showed strong tendencies.

Peppermint—A good deal of variance has been shown in the outlook for the new crop. A number of dealers, in anticipation of new material easing the situation, have dropped prices slightly, thus putting the natural oil at $6.05 to $7.25 per pound and the redistilled item at $6.35 to $7.65 per pound last week. One observer, however, has reported that the Oregon crop appeared to be smaller than last year and that growers in that area were reluctant to accept bids on the fields. This would indicate that material from that source might tend to become somewhat firmer. However, this market seemed to show fluidity and was difficult to predict.

Petitgrain—Prices widened in both directions last week and quotations ranged from $1.80 to $2.55 per pound. The market seemed to show signs of strength, but presented no problem in meeting the requirements of consumers.

Pimento—New firmness was shown in the prices of both berry and leaf oils. The former was advanced to $4 to $5.75 per pound, while the latter was moved up to a range of $1.40 to $1.70 per pound. There were indications of difficulties in obtaining the berries, thus keeping the oil in a tight position.

Rosemary—This remained one of the few weak spots in the market. USP grade oil declined 5c. per pound to assume a price position at 85c. to $1.20 per pound. The technical material remained steady at a range of 80c. to $1.50 per pound. Large quantities were available to users at most favorable prices.

Sage—The local market has been virtually depleted of Dalmatian oil and dealers have ventured only nominal quotations in the neighborhood of $7.75 to $8 per pound. This condition may be expected to prevail at least until new crop material becomes ready for the market. Material from Spain maintained a stable position at the fairly reasonable prices established some weeks ago.

Sassafras—New strength was evident in the natural, USP oil prices, which took a noticeable upswing to range at $2.25 to $2.50 per pound. The distilling season was at hand, but, according to dealers, the low prices paid to farmers during the past few months had a discouraging effect upon them and production seemed to have dropped off to some degree. This was expected to add a note of firmness to prices in the near future.

Snakeroot—While the price range remained unchanged, there were indications of future increases in quotations. With the new crop nearing the market, reports from the country showed replacement costs to be up as much as 25 percent.

Spearmint—Very definite signs of tightening were exhibited by this market with new rises putting the price at $3.35 to $4

—*Continued on page 69*

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Protective Coatings Materials

Casein and chemically isolated soybean protein were on the up side of the price move during the past week. Both domestic and imported grades of casein advanced in a strong market that was characterized by a heavy demand and only average amounts of stocks. Soybean protein was up for the second time in two weeks.

Lead and zinc pigments remained quiet although both metals were in a strong position. Shellac, for the first time in many weeks, was holding to previously established levels. The stearates were without change, although it was possible they would advance shortly in accord with the recent uppings in price of stearic acid.

The supply of casein in Argentina was low and the market there was said to be in a highly turbulent condition. European countries had nothing to offer and, in fact, were looking to the Argentine to fill their needs. Demand for domestic goods was high and stocks were not abundant. A slight let-up in call was noted late last week, but how long this might persist was hard to say. One source said that if prices went much higher buyers' resistance might set in and cause a falling off of demand. Another supplier was not offering more than 2,000 to 5,000 pound lots to other than regular customers.

Shellac prices leveled off at the plane established during the previous week, following a steady rise since the outbreak of hostilities in Korea. Trading in general was said to be pretty good and most of the spot buying was believed to be for business already in hand, athough it was thought that some of the future buying was a result of the scare brought by the Far Eastern situation.

Prime Pigments

Black, Carbon—Daily average production in June changed little from the May rate but shipments increased five percent, resulting in a decline of producers' stocks, according to a recent report from the Bureau of Mines. Exports in May were seventeen percent below the average in April. Total production of furnace and contact grades during June amounted to 110,019,000 pounds, while during the previous month the total was 111,923,000 pounds. In June a year ago the production amounted to 97,937,000 pounds. During the January to June period of this year the production of the material aggregated 624,662,000 pounds as compared to a total of 627,028,000 pounds during the corresponding period a year ago. Shipments during June amounted to 127,277,000 pounds, as compared to 125,411,000 pounds during the preceding month. During June a year ago shipments amounted to 90,624,000 pounds. Shipments during the first two quarters of this year totaled 710,541,000 as compared to 564,703,000 pounds during the corresponding period of last year.

Stocks at the end of June of this year amounted to 126,559,000 pounds, while at the end of the preceding month they totaled 143,817,000 pounds. At the end of June a year ago the stocks amounted to 178,645,000 pounds. Stocks on hand at the end of January to June period of this year amounted to 126,559,000 pounds as compared to 178,645,000 pounds at the end of the corresponding period a year ago. No figures were available for exports during the month of June of this year, although during May it was reported that they totaled 30,354,000 pounds. Exports during June of 1949 amounted to 17,937,000 pounds. Exports for the January to May period of this year amounted to 164,920,000 pounds, as compared to 134,141,000 pounds during the corresponding period a year ago.

The United Kingdom's imports of carbon black from natural gas in the first quarter of 1950 totaled 256,430 hundredweight, valued at 1,074,851 pounds, as compared to 203,976 hundredweight, during the corresponding period a year ago, according to Board of Trade statistics. Imports of other blacks—vegetable, lamp, acetylene and bone—amounted to 36,772 hundredweight, valued at 185,023 pounds, as compared to 31,423 hundredweight, valued at 105,362 pounds during the corresponding period a year ago.

Lead Pigments — The market for the metal was in a strong position during the past week but there were no changes in price and therefore there was no activity in the price structure of the pigments.

Zinc Pigments—There were no changes noted in the pigments during the period under review as the price of the metal held to former levels, although it was in a strong position.

Market Trends

Prices Advanced

Casein, domestic standard, 2c. per lb.
premium, 1c. per lb.
imported, acid-precip., 5½c. per lb.
rennet-precip., 6c. per lb.
Rosin, gum, New York, E, F, G, H, I, K, M, N, 35c. per 100 lbs.
WG, 45c. per 100 lbs.
WW, X, 40c. per 100 lbs.
Savannah, H, I, K, M, 23c. per 100 lbs.
N, 24c. per 100 lbs.
WG, 7c. per 100 lbs.
WW & X, 14c. per 100 lbs.
Soybean protein, chemically isolated, 2½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 5, 1949
176.4	176.4	173.7	196.4	207.7

(For Current Prices see Page 9)

Natural Resins

Shellac—Prices seemed to have hit a level last week, after several weeks of steady climbing. They closed the period at a plane similar to that at the end of the previous week. During the period, however, they were down a bit but then went up again so that at week's end they were the same as they had been at the end of the previous week. Demand was still running along at pretty good levels. It was thought that some of the buying for future delivery was scare buying, since the situation in the Far East was one that made some buyers wonder about future prices and supply, although it was reported that those buying for immediate delivery claimed that they had the business on hand at the moment and needed the goods now. During the period of falling prices, inventories were allowed to drop pretty low because buyers were hesitant to take on too much material when they felt they might buy it later at even lower prices, but with the outbreak of hostilities in Korea this situation reversed itself and consumers appeared eager to build up their stocks. The Indian market became much stronger with the Korean situation, although as of last week that seemed to have calmed down a bit. It was still firm, however.

The United Kingdom's imports of shellac, seedlac and sticklac in the first quarter of 1950 rose to 40,377 hundredweight, from 33,362 in the corresponding period of 1949, according to Board of Trade statistics. Values were 601,517 pounds and 517,481 pounds, respectively.

Figures on Calcutta shellac exports indicate that in June 1950 the United States took 3,872 packages as compared to 3,980 packages for the corresponding period in the previous year. Exports to the United Kingdom in June totaled 3,030 packages while a year ago in June the figure was 6,432 packages. The Continent in June of this year took 1,834 packages while in June a year ago it took 2,159 packages. Exports to other countries in June amounted to 2,122 packages this year and 2,109 packages in June of last year. These figures aggregated 10,858 packages for June of 1950 as compared to 14,680 packages for June of 1949.

Seedlac exports for June of this year to the United States amounted to 4,590 packages, as compared to 2,850 packages for the corresponding period in the previous year. The United Kingdom, in June of 1950 accounted for 1,255 packages of exports as compared to 2,345 packages in June last year. Shipments to the Continent amounted to 2,551 packages in June this year, while during the corresponding month a year ago they were 2,818 packages. Other countries in June of this year received 619 packages as compared to 274 packages for the corresponding period a year ago. The total exports to all countries during June of this year amounted to 9,015 packages as compared to 8,287 packages during the month of June a year ago.

Lacquer Materials

Phthalates—Further increases in prices for some of the phthalates were announced in some quarters last week, while in other sections of the trade the matter of listings was still under consideration, with changes not unlikely in the near future. Established prices, as of press time Fri-

For Late Market Developments, See Page 4

RESINS

LX-685 • R-12 • R-16 • R-16-A

The use of Neville coumarone resins, R-12, R-16 and R-16-A, and the petroleum oxidizing resin, Neville LX-685, in the manufacture of concrete curing compounds is extensive because of their ease of formulation, low cost and waterproofness. In addition, Neville LX-685 has very little after-yellowing which is important for several government specifications.

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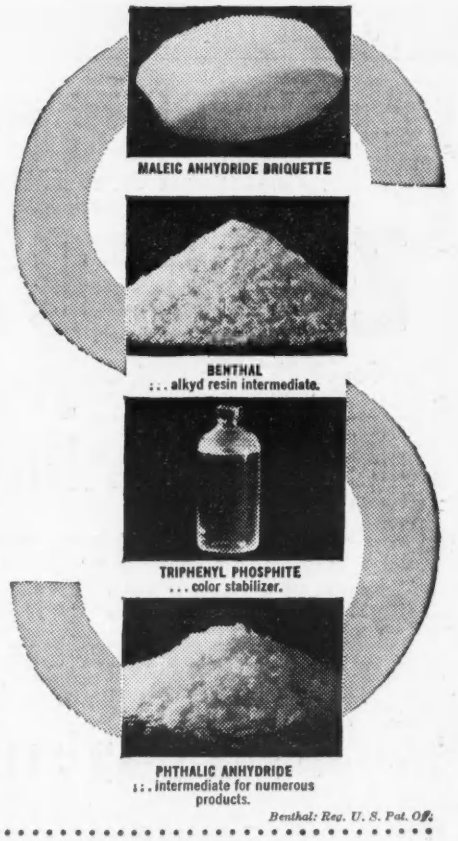

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day, are to be found in this issue's prices current section.

Trieresyl Phosphate—Production of this material in April amounted to 1,118,806 pounds, according to the Tariff Commission. This compared to 993,325 pounds during the preceding month.

Miscellaneous Materials

Casein—Argentine was up 5½c. per pound during the past week, making the new price 35c. Demand continued very high. The heavy call for the article in the last six weeks or so had put the price up 15c. Argentina has some supply on hand but not much. This is the slow producing season there and carry-over was reduced by the drought and the dairy strike. Added to the normal American demand is the demand that has been coming in from Europe lately, since the European countries that offered large amounts only a short time back seem to have dried up.

Domestic standard was up 2c. This made the range 29c. to 30c. The premium was up 1c. on the low of the range, to a new figure of 26½c. and up ½c. on the high side to 32½c. One seller who was between the range said the lowest figure at which it was offering was 31c. Imported rennet-precipitate was up 6c. per pound to a range of 36c. to 37c. One source said that demand had continued strong until late in the week when there was a little lull, but it was difficult to tell whether this would continue. Despite the lull, call was at high levels. The thought was advanced, however, that the call might fall off if continuing higher prices produced sufficient buyers' resistance. This source said that supply and demand were about in balance now but that there could well be a shortage if the demand continued at strong levels, for there were no overstocks accumulating.

Another source said it was not experiencing any avalanche of orders now, but was only offering 2,000 to 5,000 pounds except to regular customers. This was being done, it was pointed out, to protect the supply for regular customers. Supply was sufficiently high at this time so that the regular customers did not have to suffer, but there was not a great deal left over for others.

Stearates — There was still no change noted in the price listings of the various stearates during the period under review, despite the fact that stearic acid advanced recently. However, it was pointed out that advances would not be unlikely in the near future, although there is generally some time lag between rises in the acid and the stearates. Meanwhile, demand continued at normal levels, with no evidence of a buying spree apparent. Supply was sufficiently high to accommodate the needs of the market without any particular difficulty.

Soybean Protein — The chemically isolated, which had recently advanced in price, was up again during the past week. The increase amounted to 2½c. per pound. This made the listings:—40,000 pound lots, 24c.; 20,000 pound lots, 24¼c. and smaller lots, 24½c. to 28c.

Naval Stores

Production of naval stores in Mexico in the first quarter of 1950 is reported normal by trade sources. Output for the year is estimated at 33,000 to 35,000 metric tons of crude gum. Production is beginning to drop because of the onset of the rainy season, but will pick up again in October.

The United Kingdom's imports of rosin in the first quarter of 1950 almost doubled in quantity and more than doubled in value over those in the corresponding period of 1949. Totals were 416,116 hundredweight, valued at 1,276,016 pounds and 211,801 hundredweight, valued at 520,395 pounds, respectively, according to Board of Trade statistics published in the British press. A major shift in sources of supply occurred between the two periods. The United States was the principal supplier in the first quarter of 1949, accounting for 122,075 hundredweight and Portugal was second with 79,052 hundredweight. In the first quarter of 1950 Portugal supplied 198,287 hundredweight, worth 694,377 pounds. Imports of rosin from the United States totaled 93,648 hundredweight.

June production amounted to 37,430 barrels of gum turpentine and 98,880 drums of rosin at central stills, according to the Bureau of Agricultural Economics. This output was greater than it was during the previous month, but was lower than it was during the corresponding pe-

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riod a year ago. Production of gum turpentine and gum rosin during April, May and June was slightly less than it was during the corresponding months of last year. Output of wood turpentine and rosin decreased about seven percent during June but was more than twenty-five percent higher than the output of June a year ago. Wood turpentine and rosin produced during the second quarter of the year were twenty-nine and twenty-one percent higher, respectively, than during the corresponding period of the previous year.

Pine Gum — Prices received by producers for crude pine gum delivered to processing plants during the week ended July 29 averaged $19.4' per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with an average price of $19.56 for the previous week.

The twenty-two reporting plants received 30,245 barrels, compared with 1, 382 barrels for these same plants a week earlier. The contents per barrel averaged 11.53 gallons of turpentine and 299.2 pounds of rosin. The gum was graded 54 percent WW, 16 percent WG, 10 percent N, 9 percent M, and 11 percent K and below.

The record of the gum naval stores markets during the week ended August 4 was as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs	Fri.	New York c.l., f.o.b. N. Y. Friday	l.c.l., ex whse.
B	$4.10	$4.10	$4.10	$4.10	$4.10	$6.50	$7.25
D	4.75	4.25	4.25	4.25	4.25	6.50	7.25
E	4.75	4.75	4.75	4.75	4.75	7.20	7.95
F	5.07	5.07	5.07	5.07	5.07	7.20	7.95
G	5.69	5.69	5.69	5.69	5.69	7.20	7.95
H	5.69	5.69	5.85	5.92	5.92	7.20	7.95
I	5.69	5.69	5.85	5.92	5.92	7.20	7.95
K	5.69	6.00	6.00	5.92	5.92	7.20	7.95
M	5.69	6.00	6.00	5.92	5.92	7.20	7.95
N	5.69	6.00	6.00	5.98	5.93	7.20	7.95
WG	5.86	6.00	6.00	5.98	5.93	7.40	8.15
WW	5.86	6.00	6.00	6.00	6.00	7.55	8.30
X	5.86	6.00	6.00	6.00	6.00	7.55	8.30
	Drums						
Sales	160	100	85	250	150		
Receipts	594	2,406	807	37	1,075		
Shipments	3,750		80				
Stocks	35,160	35,079	35,806	35,843	36,918		

Gum Turpentine

	Drums Savannah Exchange Bulk Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ret. dms.) tanks l.c.l. f.o.b. N Y. whse (7 lbs.) Friday	
Per gal	.43½	.43½	.43½	.43½	.43½	.53	.62
Sales, bbls.	...	...	...	...	...		
Receipts, bbls.	701	186	212	439	198		
Shipments, bbls.	1,778	142	264	...	160		
Stocks, bbls.	5,053	5,079	5,027	5,466	5,504		

Trade Briefs

Manganese ore deposits, with reserves estimated at 1,000,000 tons, have been found at Kalahandi, in Bihar, India.

Edward W. Kiesel has retired as cashier and accountant with the Buffalo branch of the Pittsburgh Plate Glass Company after 50 years of service.

Prentice F. Brown, vice-president and a director of Honolulu Oil Corporation, has resigned after twenty-three years with the company. He was in charge of Honolulu's Texas operations.

Chase Driers & Chemicals division of Industrial Lining Engineers, Inc., Pittsburgh, has appointed W. D. Hodges Company, 100 Boylston street, Boston, Mass., as its sales agent and distributor in New England.

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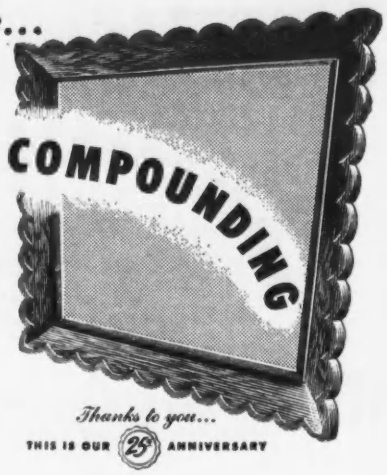

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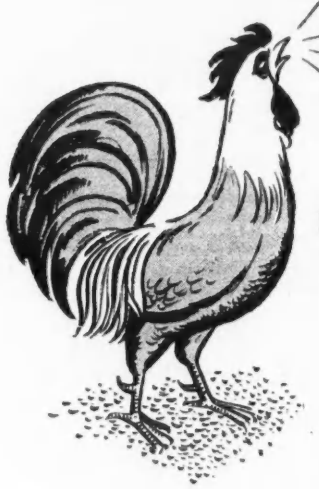

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Solids content by weight	49 - 51%
Solvent	95% Xylene, 5% Butanol
Pounds per gallon at 77° F	8.30—8.40
Specific gravity at 77° F	1.00—1.10
Viscosity, Gardner-Holdt Scale, at 77° F.:	
at 50% solids	Z_2—Z_3
at 40% solids	L—M
Color, Gardner Scale, 1933	6 maximum
Acid value on solids	8 maximum
Tolerance for mineral spirits	50% VM&P naptha
Tolerance for linseed oil	None
Pigment compatibility	All pigments
Type of resin	Glycerol phthalate, oil modified
Type of oil	Dehydrated Castor Oil
Phthalic anhydride content	42%

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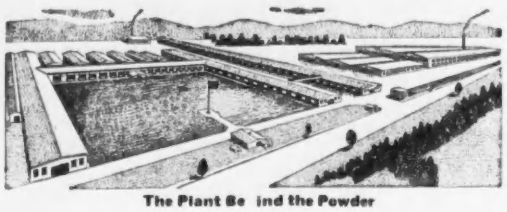
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Rohm & Haas Develops New Ion Exchange Resin

Commercial availability of a new medium-capacity cation exchange resin, designated as "Amberlite IR-105G," was announced last week by the Resinous Products Division of Rohm & Haas Company, Philadelphia. Because the new exchanger combines the hydraulic behavior of "Amberlite IR-100" with the high capacity and regeneration efficiency of "IR-105," it has replaced those products in the company's series of ion exchange resins.

The new "IR-105G" is a phenolic type resin furnished in granular rather than beaded form, giving it improved hydraulic characteristics. Its physical ruggedness and chemical stability have been substantiated over a three-year period in small commercial-scale units. Its high regeneration efficiency adapts it particularly to hydrogen cycle operation, making it especially useful in deionization and split-stream dealkalization. In the sodium form it is also suitable for water softening. Laboratory notes on its behavior and applications are available from the manufacturer.

Soybean Crush: June

Soybeans received and crushed and production of soybean oil and meal during June and May, 1950, as compiled by Bureau of the Census, follows:—

Soybeans

	June 1950	May 1950
	Tons	
Receipts	229,604	*293,242
Crushed	417,381	376,403
Stocks at mills	654,327	*1,042,044

Crude Oil

	June 1950	May 1950
	Pounds	
Produced	141,705,000	169,001,000
Stocks at mills	36,927,000	36,447,000

Refined Oil

	June 1950	May 1950
	Pounds	
Produced	132,235,000	131,845,000
Factory and whse. stocks	77,528,000	74,809,000

Cake and Meal

	June 1950	May 1950
	Tons	
Produced	323,249	394,162
Stocks at mills	65,965	83,604

* Revised.

Longstaff N.E. Chief Chemist For Geo. H. Morrill Company

H. A. Longstaff has been appointed chief chemist in New England for the Geo. H. Morrill Company, a division of Sun Chemical Corporation, Long Island City, N. Y.

After ten years in the Jersey City, N. Y., laboratory of the Engle Printing Ink Company, a division of Sun Chemical, Mr. Longstaff was made chief of that laboratory and retained this position from 1937 until 1947. From there he was transferred to the Sigmund Ullman Company Division New York laboratory as assistant chief chemist.

MCA Develops Plans

—*Continued from page 4*

ticularly in cooperating with all government agencies, other associations and societies where such industry representation is appropriate.

The adhesive manufacturers, as a division, have been concerned only with problems in the use of synthetic resins for wood gluing. Activities have been mainly of a technical nature and it is planned for the above-mentioned subcommittee to continue such programs in the consolidated association.

Traffic, safety, legislative and certain other problems of the companies in the plastics group are common to the entire membership and will be dealt with as such as soon as possible.

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Essential Oils

—Continued from page 64

per pound. This was in opposition to the status of other mint oils which were showing some price relaxation. Added to the fact that last year's crop has just about been depleted, the planting this year covered a slightly smaller area and might be expected to keep prices fairly firm.

Thyme—As was the case of most Spanish oils, this article remained fairly soft, although the minimum offer of both red and white NF oils returned to levels held some weeks ago. The former was quoted at $1.65 to $2.45 per pound and the latter at $1.85 to $2.85 a pound. There was no problem in meeting the needs of consumers and the material moved in steady quantities.

Vetiver—Adding to the strength already shown by all types, new rises were brought to quotations. The Bourbon material was offered by one dealer at $14.25 per pound, but, more generally, prices were closer to the maximum offer of $20. Haitian oil also advanced considerably to a range of $13 to $17 per pound. One firm held some small stocks of Java material at the rather high price of $22. Small quantities were trickling in but the strength of prices had a discouraging effect upon consumers, and dealers reported that all cables from the origins showed further sharp increases for replacements.

Ylang - Ylang — Showing the same strength exhibited by most floral oils, this item remained firm. Bourbon material was unchanged at $12 to $14 per pound and extra grade ranged from $17 to $18 per pound, being available only in very small quantities. A small amount of Madagascar material was offered at $10.50 to $10.75 per pound.

Aromatic Chemicals

Coumarin—As a result of rises in the costs of basic materials, one producer last week increased the prices of this aromatic by 25c. per pound. The NF grade oil then became available at prices ranging from $2.75 to $3.30 per pound, depending upon quantity and chemical form, powdered or crystalline.

Methyl Salicylate—Although one producer advanced prices by 3c. a pound, the range of quotations continued unchanged between 42c. and 50c. according to quantity and container. Large volume was being purchased by users, who have found this chemical a most efficient substitute for hard-to-get natural flavoring oils.

CASEIN

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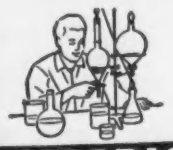

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Oils, Fats and Waxes

Consuming inquiry for oils and fats was materially reduced, following the sharp upturn of prices the week previous. Consumers showed less interest in the market and were inclined to await further developments, especially government action as to price controls and roll backs to former lower levels. Most oils, however, maintained recent advances. The price declined 0.6 point.

Price declines were fractional, chiefly in edible vegetable oils, while animal and fish oils remained firm.

Crude cottonseed, peanut and soybean oils were fractionally lower, while corn oil was slightly higher due to the firmness of corn. Olive oil was stronger and higher both for spot and forward delivery. Stocks on the spot were cleaned up and Spain temporarily withdrew from the market in lieu of an expected advance in the cost of shipments.

Sellers raised coconut oil fractionally, following the withdrawal of offerings of copra for shipment. Sales of copra took place at $12.50 per ton less than a week ago, before offers were withdrawn.

Tallow and greases were more active for domestic delivery as a result of increased offerings, due to slackened demand for export at the recent advance.

Drying oils continued steady. Dehydrated castor oil was lifted ¾ cent per pound owing to increased costs and active consuming demand. Crude sardine oil was off fractionally, while refined grades were firm at the recent advance. Tung oil continued firm and was offered sparingly. Trading was heavy in the past ten days for prompt and forward delivery.

Vegetable waxes continued upwards. Crude and refined beeswax were higher. Candelilla was up 8 cents and carnauba, and ouricury 5 cents per pound under an active demand and limited supplies.

Cottonseed Oil

Reaction set in bleachable cottonseed oil futures last week the market sagging under heavy speculative liquidation. Trading was active but did not reach the volume of the week previous. The market backed and filled but the trend was downward due to liberal selling on the bulges. Fears of government action on price controls and roll backs to previous lower levels overhung the market. Weakness in crude cottonseed oil, soybeans and lard was a contributing factor.

Crude oil was easier and off ½c. per pound. Trading took place chiefly in Texas at 17c. and later at 16¾c. per pound, tankcars, for prompt shipment both for private and government account. In the Valley sales also took place at 16¾c.

Production and Marketing Administration July 27 reported the sales of 2,608 tons of cottonseed at $56 per ton, f.o.b. Arizona, and at $59 to $61 per ton, f.o.b. Texas, according to location.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended August 4 follow:—

	Sales	Cents per pound High	Low	Close
September	596	19.25	17.70	17.80—17.98S
October	233	18.50	16.98	17.17—17.12S
December	967	18.32	16.77	16.94—16.90S
March	350	18.32	16.76	16.95S
May	598	18.38	16.78	16.95S
July	2	17.33	12.12	16.92@16.95

Total sales, 2,746 tankcars, including switches.

Memphis.—Crude cottonseed oil quoted 17c. per pound, tankcars, August shipment and 16½c. September. Cottonseed meal $81 per ton, sacked, Memphis. Stocks extremely light. Cottonseed hulls, $12 per ton, bulk and $17, sacked, Valley basis. Cotton crop progressing favorably. Weather clear.

Market Trends

Prices Advanced

Beeswax, crude, 1c. to 3c. per lb. refined, 5c. per lb.
Candelilla, 8c. per lb.
Carnauba wax, 5c. per lb.
Castor oil, dehyd., ¾c. per lb. No. 3, ¾c. per lb.
Coconut oil, ¼c. per lb.
Corn oil, ¼c. per lb.
Olive oil, edible, 25c. per gallon.
Ouricury, 5c. per lb.

Prices Reduced

Cottonseed oil, ½c. per lb.
Peanut oil, 1c. per lb.
Sardine oil, crude, ½c. per lb.
Soybean oil, ½c. per lb.

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 5, 1949
143.7	144.3	118.2	111.3	119.8

(*For Current Prices see Page 9*)

Linseed Oil

New business was reported quiet. Market was unchanged and steady. Raw oil was more or less nominal at 17.60c. per pound, tankcars, zone 3, August delivery, with intimations that a firm bid could have shaded this level. Oil for first half September was raised to 16.60c. while second half was unchanged and October at 15.80c. per pound, tankcars, same basis. Demand for oil against former contracts was fairly active.

Commodity Credit Corporation August 1 offered for sale 500,000,000 pounds of linseed oil and 12,500,000 bushels of flaxseed. Prices established for the month of August are the same as in July:—16.75 cents per pound, tankcars, at Minneapolis and Chicago; 17.05 cents at Buffalo, San Francisco, Los Angeles and Cleveland; 17.35 cents at New York, Philadelphia, Baltimore and Portland, Oregon; and 17.45 cents at Houston and Kenedy, Texas, and Good Hope, Louisiana. The export price is unchanged at 14 cents at storage locations. Domestic price for flaxseed is established at the market on date of sale at place of delivery but not less than $4 per bushel, Minneapolis basis, the same as in July. The export price also remains unchanged at $3.55 in store at New York, with differentials for other markets.

Minneapolis.—A tight situation developed on linseed oil for nearby delivery last week as offerings became scarce and demand became heavier. As for new-crop oil, buyers were not too interested in making commitments at present, hopeful that the forthcoming Northwest flaxseed harvest may spell lower prices at a later date. Old-crop oil was quoted steady at 16.7c. per pound, raw basis, in tankcars, in zone 1. Warehouse stocks held at 17.3c. a pound. New-crop oil for September delivery was unchanged at 15.7c. a pound, while October-December deliveries held at 15.2c. Shipping specifications continued heavy.

Shipments of linseed oil from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	9,480,000	8,640,000
Since Sept. 1	401,360,000	353,078,000

Flaxseed—Market was firmer. Offers were scarce for spot and forward delivery.

Stocks of old crop flaxseed on July 1 totaled 16,785,000 bushels in all positions according to the Bureau of Agricultural Economics. This compares with 19,359,000 bushels a year ago and 7,217,000 bushels, July 1, 1948. From total stocks of 31,384,000 bushels in all positions on April 1 disappearance is computed at 14,599,000 bushels. The quantity processed for oil in the April-June quarter was reported at 7,839,000 bushels which included nearly 1,000,000 bushels of new crop seed processed before July 1. About 2,250,000 bushels were used for seed in that period and about 1,000,000 bushels were exported. From the supply of 63,023,000 bushels on July 1, 1949-50 season the quantity processed for oil was re-

Cottonseed Crush: June

Cottonseed received and crushed and production of cottonseed products during June and May, 1950, as compiled by Bureau of the Census, follows:—

Cottonseed

	June 1950	May 1950
	Tons	
Receipts	47,229	94,530
Crushed	208,265	275,350
Stocks at mills	333,993	495,029

Crude Oil

	Pounds	
Produced	68,051,000	90,610,000
Stocks at mills	27,451,000	28,280,000

Refined Oil

	Pounds	
Produced	80,792,000	98,983,000
Factory and whse. stocks	225,034,000	251,672,000

Cake and Meal

	Tons	
Produced	93,264	124,140
Stocks at mills	163,300	179,112

Hulls

	Tons	
Produced	50,714	64,990
Stocks at mills	81,712	*79,316

Linters

	Bales	
Produced	[1]57,596	78,497
Stocks at mills	[2]73,799	98,504

* Revised.
[1] Includes 16,507 bales first cut, 40,158 bales second cut, and 931 bales mill run. Average gross bale weights:—Total, 611.2; first cut, 579.8; second cut, 624.6; and mill run, 588.1 pounds.
[2] Includes 38,543 bales first cut, 29,232 bales second cut, and 6,024 bales mill run.

For Late Market Developments, See Page 4

ported by the Census Bureau at 37,396,000 bushels.

Minneapolis.—Flaxseed was scarce at the Minneapolis market last week, with only a few cars of old-crop seed trickling into the market and producers unwilling to offer new-crop stuff on a to-arrive basis. Old-crop seed was quoted at $3.70 to $3.85 per bushel but crushers were forced to pay the top price for the few available cars. New-crop flaxseed for arrival before Aug. 15 was bid for at $3.80 a bushel, delivered, Minneapolis, while seed for all-August arrival was bid at $3.75, and September arrival was bid at $3.65. All prices were sharply higher than a week ago.

Receipts and shipments of flaxseed last week, in bushels, were as follows:—

	Receipts		Shipments	
Bushels—	1949-50	1948-49	1949-50	1948-49
This week.	202,300	487,900	15,300	15,300
Since Sept. 1.	21,924,100	32,432,300	4,844,100	8,370,700

Other Vegetable Oils

Castor Dehydrated—Increased cost and active demand stiffened prices, which were lifted ¾c. per pound. Dehydrated bodied was quoted at 23¼c.; unbodied, 22¼c., and No. 3, 18¾c. per pound, tankcars, New York delivery. Drums commanded the usual premiums.

Coconut—Prices were raised fractionally following the withdrawal of copra for shipment. Crude oil was quoted at 16c. per pound, tankcars, f.o.b. Pacific coast, August delivery; 15½c. September and 15¼c. October.

Copra—Following sales at $197.50 per short ton, c.i.f. Pacific coast, offers for shipment were raised to $205 per short ton.

Corn—This market was stronger, advancing ¼c. per pound. Crude oil was sold at 17¼c. per pound, tankcars, f.o.b. mills. Offers were scarce. Refined oil was nominal at 21.90c. per pound, tankcars, New York delivery.

Oiticica—Consuming inquiry was active. Prices were unchanged and steady at the recent advance of ½c. per pound.

Olive—Further price advances took place last week due to the active demand which cleared the spot market of supplies. Edible oil was sold up $2.70 per gallon, with prices nominal at $2.75 to $3 per gallon, drums, duty paid, spot and prompt delivery. Primary markets were firmer. Spain temporarily withdrew offers for shipment.

Peanut—This market was easier, and crude declined 1c. to 19c. per pound, tankcars, f.o.b. mills, August shipment. Supplies were scanty. The government sold peanuts last week to make 4½ tankcars of oil in the southeast. Refined oil was nominal at 23½c. per pound, tankcars, New York basis.

Soybean—Lower beans was reflected in oil, and quotations were off ½c. Crude oil dropped to 13⅝c. per pound, tankcars, f.o.b. mills, August shipment. September was bid 13½c. and October-December, 12½c. Business was light and spotty. Refined edible was nominal at 18c. per pound, tankcars, New York delivery. Alkali refined and clarified also were off ½c.

Relatively large stocks of nearly 45,900,000 bushels of soybeans were in all storage positions on July 1, 1950, according to the Bureau of Agricultural Economics. These stocks compare with 40,300,000 bushels a year earlier, and are the largest since July 1, 1945. Stocks of 47,800,000 bushels on July 1, 1944, were largest for the date in the nine years of record.

—Continued on page 74

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2—SIMPSON INTENSIVE MIXERS, #2, 6' dia.; #1½, 4'6" dia.

1—6' x 4' FLAKER, chrome-plated, M.D.

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Oils, Fats and Waxes

—Continued from page 71

The current total includes about 28,500,000 bushels at processing plants and commercial stocks of 6,200,000 bushels at terminals. The Crop Reporting Board estimated farm stocks at 6,800,000 bushels and holdings in interior mills, elevators and warehouses at 4,400,000 bushels, both relatively small for July. But stocks at terminals and processing plants are each largest of record for July 1.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended August 4 follow:—

	Sales	Cents per pound High	Low	Close
August	..	....	....	13.30@13.50
September	50	13.50	13.15	13.25S
October	56	12.60	11.95	11.99S
November	8	12.25	12.00	11.50@11.80
December	46	12.50	11.65	11.50@11.75
January	..	....	....	11.50@11.75
March	10	12.25	11.90	11.50@11.20
May	3	12.15	12.00	11.50@11.75
July	..	....	....	15.50N

Total sales, 173 tankcars and switches.

Tung—Offerings continued scarce especially for spot delivery. Market was firm. Tankcars were well held at 25¼c. per pound, August delivery, New York, with sales thereat. Futures also were in good inquiry. September was quoted at 25c. and October, 24¾c. same basis. Imports of Chinese oil totaled 685 tons at New York last week.

Fats and Greases

Greases — Market remained steady, though trading was light and spotty. Offerings were limited and quotations were unchanged and closely held. Export inquiry was less active. Yellow grease for export commanded a premium of ¾c. above the domestic level.

Lard—This market was unsettled and off fractionally. Trading was reported slow. Export business also was limited. Pure refined lard was nominal at 19c. per pound, containers, f.a.s. Cash lard was lower at 15c. per pound, tierces, Chicago.

Tallow—Trading for domestic delivery was fairly active as offerings were more liberal, due to the slackened demand for export. Prices were unchanged and firm. Supplies for export were still maintained at premiums of 1c. per pound above the domestic schedule, though prevailing high prices have reduced export inquiry. Fancy tallow for export was held at 9½c. per pound, loose, f.a.s.

Fish Oils

Cod—This market was stronger and entirely nominal due to scarcity of stocks on spot and offers for shipment.

Fish Oils—Market remained firm at the recent advance. Light cold pressed was maintained at 13c. and alkali refined at 14c. per pound, tankcars, New York delivery. Crude menhaden oil offerings were still scarce and the market remained nominal at 10c. per pound, tankcars, Baltimore. Crude sardine oil was easier, declining to 9c. to 9½c. asked for tankcars, f.o.b. Pacific coast against recent trading of 9½c.

Los Angeles.—Five or six cars of new crop sardine oil were a week ago at 9.5c. per pound f.o.b. Monterey. When the asking price advanced to 10c. per pound, buyers withdrew, and asking price were reduced to 9.5c. Trading in the San Pedro area has totaled approximately 30 cars for new crop sardine oil, compared to some 250 cars for the Monterey Bay area. The pilchard season officially opened at the latter point August 1 although it is not expected that actual fishing operations will begin until next week. With the aid of a Federal mediator, negotiations between boat owners and canners at Monterey are still underway with a settlement price of about $32.50 per ton anticipated for raw fish.

Cake and Meal

Cottonseed Cake and Meal — Market continued strong. Forty-one per cent sacked meal was quoted at $77 to $78 per ton, Texas points, for shipment. Forty-one percent slab cake was offered at $68 per ton, Brownsville, Texas, October, November, December shipment. Forty-one percent sacked meal in the Southeast was scarce, and quoted at $82 to $84 per ton, f.o.b. mills, August shipment, and thirty-six percent sacked ranged from $73 to $75 per ton, f.o.b. mills.

Linseed Meal — Buying interest slackened and market was easier, declining about $1 per ton.

Minneapolis — A weak undertone prevailed in local linseed meal market the past week. Offerings — especially from resellers — were freely available. Extracted linseed meal was in short supply as several crushers announced shutdowns until new-crop seed movement begins. At times, 34 percent expeller meal was trading at parity, or slightly below 36 percent extracted meal—a somewhat rare thing in the price structure. Linseed meal moved readily to mixed-feed manufacturers and country points, but mostly on old contracts. There was very little new business and inquiries dropped off sharply. Both expeller and extracted meals were quoted at the same price, $68 per ton, bulk, in carlots, f.o.b., Minneapolis. New-crop meal was offered in small amounts at $1 per ton less than old-crop meal.

Shipments of linseed meal from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	16,870,000	14,280,000
Since Sept. 1	754,201,500	620,280,000

Peanut Meal—Supply continued fairly limited. Forty-five percent meal was quoted $86 to $87 per ton, f.o.b. South Georgia and Alabama mills, August shipment. Forty-five percent solvent meal figured about $1 per ton less. The government sold peanuts last week to produce about 200 tons of meal.

Soybean Meal—Forty-four percent bulk meal was quoted at $86.00 basis Decatur, Ill., August, September shipment. October through September was available at $64 to $65 per ton, Decatur. Meal was scarce in the southeast but occasional cars were sold at $96 to $97 per ton, f.o.b. mills.

Waxes

Beeswax—Higher of cost and scarcity of crude were reflected in refined grades and quotations were raised 5c. per pound. Yellow refined slabs were quoted at 56c. to 57c. per pound, and bleached white, 66c. to 67c. per pound, depending upon quantity. Crude was firmer, with offers for shipment scarce and quotations entirely nominal.

Candelilla—Further price advances took place and crude and refined were boosted about 8c. per pound. Crude was advanced to 63c. to 65c. and refined, 68c. to 70c., as to quantity. Stocks were scarce and closely held.

Carnauba — Active demand, combined with the lack of offers from Brazil further stiffened the market. Prices were boosted at least 5c. per pound for spot delivery. Supplies here were light. No. 3 crude was merely nominal at 85c. to 88c. per pound and refined, 90c. to 93c. No. 1, yellow, $1.10 to $1.15 and No. 2, $1.08 to $1.13, depending upon seller, buyer and quantity.

Ouricury — Limited stocks of refined were firmer and light sales were reported at 85c. with sellers holding up to 90c. per pound on the spot.

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Gulf Building Record Catalytic Refining Unit

Gulf Oil Corporation plans construction of the largest fluid catalytic petroleum refining unit in the world, it was announced last week. The company has awarded a contract for the plant, to be built at Port Arthur, Tex., to M. W. Kellogg Company, New York. It will have a daily processing capacity of 60,000 barrels, about 20 percent larger than that of any similar installation currently in operation. The plant, expected to be ready by early fall of 1951, will cost an estimated $8,000,000.

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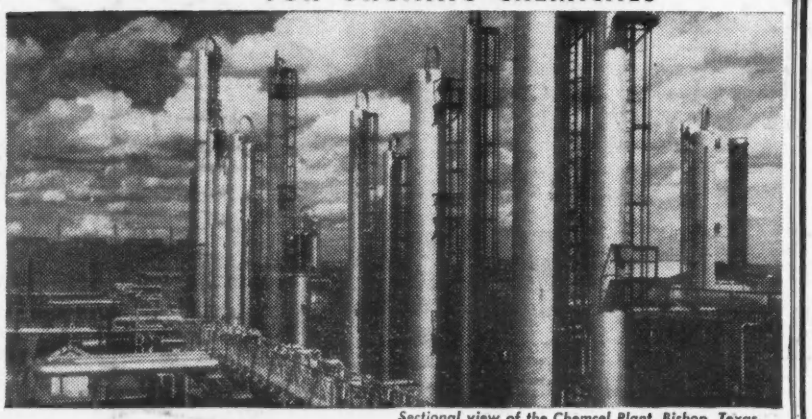

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